

Reference Tables for FireWire Isochronous Bandwidth Usage

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Abstract

Correctly calculating the bandwidth required in a FireWire application that uses isochronous streaming is crucial to the success of the application. Although the calculations are fundamentally simple, they involve some rudimentary math, which can always go wrong and require some solid understanding of how FireWire works.

Too often these calculations are not done correctly and, as a result, FireWire either is underutilized or overutilized to the point where the application might start to experience significant problems, usually of intermittent nature.

With higher FireWire speeds of 1.6Gbps and 3.2Gbps now coming to the market it is important to ensure that designers and implementers understand the technology and use the available tools to maximize FireWire's performance -- without risk to their solution.

The details below provide a concise explanation of how FireWire bandwidth works and a complete set of reference tables so users can achieve these objectives. Tables are provided for users who intend to oversubscribe the available isochronous bandwidth to a certain extent, so that in these cases the designer can make the correct calculations.

FireWire Theory

FireWire operates on the basis of a 125microsec "cycle." A hardware clock called the cycle timer ticks accurately 8,000 times every second, and every time it ticks a special packet is transmitted on the FireWire bus, called the "Cycle Start" Packet. The Cycle Start packets mark the boundaries of the FireWire cycles.

In normal operating conditions the Cycle Start packet is always on time. But under some circumstances it might be temporarily delayed, only to automatically catch up just a few cycles later. So, some cycles might be slightly longer than 125microsec while others might be slightly shorter, depending primarily on the shape of asynchronous traffic. On average however, the cycle is 125microsec. This is the foundation for the rest of the discussion.

The bandwidth in 1394 parlance is described in a time unit called the "Bandwidth Allocation Unit". One unit stands for the amount of time required to transmit one quadlet of data (4 bytes) at the S1600 data rate (1.6Gbps). This is the same time required to transmit 2 bytes of data at S800 (800Mbps) or 1 byte of data at S400 (400Mbps).

This calls for our first table:

Bandwidth Allocation Unit	
S400	1 byte
S800	2 bytes
S1600	4 bytes
S3200	8 bytes

This amount of time is roughly equal to 20 nanoseconds. If we do the math accurately we will find out that a cycle of 125 microseconds has 6144 bandwidth units, and this is the number that the IEEE1394 standard ascribes to.

Now, let's do some reverse calculations to see if it all adds up:

One unit is 2 bytes at S800, so 6144 units in a cycle mean 12288 bytes per cycle at S800. Multiplying this by 8000 cycles per second we get 98,304,000 bytes per second, or 786,432,000 bits per second, which is the nominal value of the S800 data rate (786.432 Mbps).

Similar calculations can be done for the other data rates and that leads us to the next table:

Maximum Bytes Per Cycle	
S400	6144
S800	12288
S1600	24576
S3200	49152

Keep in mind that the numbers shown above are "pure" bandwidth. Not all of this bandwidth can be used for data. There are packet headers, which take up some space, acknowledgement packets,

response packets and other protocol overheads. In all, though, 1394b in particular is painstakingly optimized to eliminate almost all protocol overheads¹.

So in practice application designers can expect to achieve up to approximately 95 percent of the numbers shown in the table above. Trying to exceed this threshold might put one in "implementation dependent" territory.

Moreover the tables above show the full bandwidth of the FireWire cycle, regardless of traffic type. The IEEE 1394 standard imposes some additional rules. Specifically, it states that only 4915 out of the 6144 bandwidth units can be used for isochronous traffic. This is equivalent to 100 microseconds or 80 percent of the 125 microsecond cycle. The other 20 percent (or 1229 bandwidth units) should be left available for asynchronous traffic.

Let us organize this into another table:

Data Rate	Bytes Per Cycle	
	Isochronous	Asynchronous
S400	4915	1229
S800	9830	2458
S1600	19660	4916
S3200	39320	9832

This table tells us that if we follow the IEEE1394 rules to the letter when designing an S800 system, we should have during each cycle a maximum of 9830 bytes of isochronous traffic and a maximum of 2458 bytes of asynchronous traffic.

2458 bytes for asynchronous traffic is way below the maximum payload size for an asynchronous packet, which is 4096 bytes. So we can immediately see one of the classic mistakes in FireWire system design. The designer pushes isochronous utilization to the maximum and "forgets" that some component in the system may occasionally fire up a burst of big asynchronous packets, bigger than 2458 bytes each. This might cause repeated and significant delays in the cycle start packet, which can even end up in a bus reset and temporarily disrupt the operation of the system.

If your application uses maximum sized asynchronous packets then the isochronous traffic must be reduced as shown in the table below:

¹ Protocol overhead means "lost time" spent transmitting control information or other signals that are necessary for the operation of a protocol.

Allowing for Maximum Sized asynchronous packets				
	Isochronous		Asynchronous	
Data Rate	Units	Bytes	Units	Bytes
S400	4096	4096	2048	2048
S800		8192		4096
S1600		16384		8192
S3200		32768		16384

As the table shows, the data for the maximum asynchronous packet requires 2048 bandwidth units. Following the table above is a good rule of thumb, but it does not completely guarantee there will never be a delayed cycle start packet.

For example, suppose that isochronous traffic only uses 4096 bandwidth units, according to the table above, and two asynchronous packets are ready for transmission, including one mid-sized (800 bandwidth units) and one maximum sized (2048 units). This means that the maximum sized packet will start transmitting $(2048 - 800) = 1248$ units before the next Cycle Start packet. Naturally, the Cycle Start packet will be delayed by 800 units.

The shape of asynchronous traffic is usually not easy to predict, but again the rule of thumb is that heavy isochronous traffic and big asynchronous packets don't make a happy couple. While the objective is getting the isochronous part correct, it cannot be overemphasized that the nature of your asynchronous traffic must be under your complete control.

Pushing the Envelope

It is important to clarify that the 80 percent rule for isochronous bandwidth is in reality a "soft rule" and even if you adhere to the rule you might still have trouble due to the presence of big asynchronous packets. By "soft" rule we mean that there is no hardware mechanism present to enforce this rule and prevent the presence of isochronous traffic if the 80 percent rule is exceeded.

Instead there is a protocol in place, requiring that devices (or the software that controls them) allocate bandwidth units from the BANDWIDTH_AVAILABLE register, until there is no more bandwidth left. BANDWIDTH_AVAILABLE gets initialized by software to 4915 so that's all the bandwidth available for isochronous usage "by the book."

This rule and its related protocol are set in place in order to ensure interoperability between devices in an "Open System". We can define an Open System as *a system where anything can get connected/disconnected and at any time*, more or less like the system built around an end user's personal computer.

However, in the industrial sector many systems are considered "Closed Systems," meaning that there is a system designer who has strictly designated which devices are present and what each device can and will do. There are very few "surprises" in the lifetime of a Closed System.

As a result, and especially in cases where there is very little asynchronous traffic (mainly control commands), many system designers want to take advantage of the available bandwidth unused by asynchronous traffic and use it isochronous data. This can be safely done up to a point, a point that is usually implementation dependent. The rule of thumb in this case is that if you know what you're doing and it works then it's ok. But to know where we stand and how far things have been pushed, we must pay attention to the numbers.

The following tables show how the bandwidth units and data sizes change as we push the 80 percent rule upwards.

S400 Bytes Per Cycle

Isochronous %	Isochronous Bandwidth Units	Isochronous Bytes per Cycle	Asynchronous Bandwidth Units	Asynchronous Bytes per Cycle
80	4915	4915	1229	1229
81	4976	4976	1168	1168
82	5038	5038	1106	1106
83	5099	5099	1045	1045
84	5160	5160	984	984
85	5222	5222	922	922
86	5283	5283	861	861
87	5345	5345	799	799
88	5406	5406	738	738
89	5468	5468	676	676
90	5529	5529	615	615
91	5591	5591	553	553
92	5652	5652	492	492

S800 Bytes Per Cycle

Isochronous %	Isochronous Bandwidth Units	Isochronous Bytes per Cycle	Asynchronous Bandwidth Units	Asynchronous Bytes per Cycle
80	4915	9830	1229	2458
81	4976	9952	1168	2336
82	5038	10076	1106	2212
83	5099	10198	1045	2090
84	5160	10320	984	1968
85	5222	10444	922	1844
86	5283	10566	861	1722
87	5345	10690	799	1598
88	5406	10812	738	1476
89	5468	10936	676	1352
90	5529	11058	615	1230
91	5591	11182	553	1106
92	5652	11304	492	984

S1600 Bytes Per Cycle

Isochronous %	Isochronous Bandwidth Units	Isochronous Bytes per Cycle	Asynchronous Bandwidth Units	Asynchronous Bytes per Cycle
80	4915	19660	1229	4916
81	4976	19904	1168	4672
82	5038	20152	1106	4424
83	5099	20396	1045	4180
84	5160	20640	984	3936
85	5222	20888	922	3688
86	5283	21132	861	3444
87	5345	21380	799	3196
88	5406	21624	738	2952
89	5468	21872	676	2704
90	5529	22116	615	2460
91	5591	22364	553	2212
92	5652	22608	492	1968

S3200 Bytes Per Cycle

Isochronous %	Isochronous Bandwidth Units	Isochronous Bytes per Cycle	Asynchronous Bandwidth Units	Asynchronous Bytes per Cycle
80	4915	39320	1229	9832
81	4976	39808	1168	9344
82	5038	40304	1106	8848
83	5099	40792	1045	8360
84	5160	41280	984	7872
85	5222	41776	922	7376
86	5283	42264	861	6888
87	5345	42760	799	6392
88	5406	43248	738	5904
89	5468	43744	676	5408
90	5529	44232	615	4920
91	5591	44728	553	4424
92	5652	45216	492	3936

The Periodic Nature of FireWire

All the discussion so far has been focused on the micro-world of the FireWire cycle. This was no accident of course. FireWire operates on the periodic basis of its cycle and all activities must be properly designed for one cycle then repeated ad infinitum.

There is no "averaging" when dealing with FireWire isochronous bandwidth. If an application uses 30% in one cycle, then 10% in the next cycle, we **absolutely don't** say that the application is using on average 20% of the bandwidth. This application should be treated as using 30% of the bandwidth all the time and it must allocate the amount of bandwidth units that correspond to 30% and no less. To make things work properly (guaranteed bandwidth) FireWire has to deal with worst-case scenarios not average-case scenarios.

This is particularly important to stress at this stage because it is a major source of errors for inexperienced engineers or technical managers dealing with FireWire IIDC cameras. One common form of mistaken thinking goes as follows:

*My IIDC camera resolution is 800x600, 8-bits per pixel, 30 fps, so every second the camera transmits $800*600*1*30 = 14,400,000$ bytes, or 115.2Mbps. $80%*800Mbps/115.2Mbps$ gives 5.55, so that must mean I can have 5 cameras streaming at the same time, right?*

Checking the IIDC tables for this format we can see that the packet size for this format is 2000 bytes. Multiplying 2000 bytes by 8000 cycles per second results into 16,000,000 bytes/sec which is not the same as the 14,400,000 bytes/sec calculated above. Clearly there is a catch somewhere.

The reality is that the IIDC camera is not transmitting packets on every cycle. Since we know that the actual data definitely is 14,400,000 bytes/sec and the packet size is 2000 bytes, then it naturally follows that there are only 7200 packets every second. In the remaining 800 cycles the camera is idle!

This may come as a revelation to lots of people, because all the video formats now appear to use or reserve more bandwidth than would actually be required in the optimal case (if the camera was transmitting over all 8000 cycles every second).

Are we wasting bandwidth here? Of course not, in the sense that when a device does not use its isochronous allocation in a certain cycle, then this bandwidth is available for use in asynchronous traffic during that cycle. Apparently there were compelling technical reasons for putting this seemingly suboptimal design into IIDC.

In any case, since there is no averaging in FireWire, the format discussed above, and any other format of course, have to reserve isochronous bandwidth with solely two criteria:

1. Packet Size²
2. Transmission Speed

² To be more precise, Maximum Packet Size, which covers the case of variable-sized isochronous streams.

It is really that simple. Nothing else matters, only packet size and transmission speed.

So how many cameras can stream the format mentioned earlier at the same time? Now we already have several tools to deal with this question.

Starting with the informal calculation, we see from the table above for S800 that each cycle at 80% can fit 9830 bytes of isochronous data (not talking headers into account). Our packet size is 2000 bytes, so at 80% we cannot fit 5 packets.

Going the formal way, 2000 bytes at S800 require 1000 bandwidth allocation units. Five cameras would require 5000 units, which is above the nominal 4915 that our table reports for 80% utilization.

Checking the table further shows us that at 82% we can achieve our desired goal. It is now the responsibility of the system designer to judge whether this choice is safe for his system or whether he should opt for a lesser configuration.

IIDC Tabloid

Since IIDC is the most commonly used digital camera protocol with FireWire, we will now proceed to list a set of tables that answer three basic questions for the system designer:

1. What percentage of the isochronous bandwidth is used by each of the standard formats?
2. How many bandwidth units are used by each of the standard formats?
3. How many cameras with the same format can I have streaming at the same time?

The tables of item 1 are not strictly necessary in a technical sense, but they are usually much more understandable by humans. Almost everyone has a feeling about what 16.6% means, while 819 out of 4915 usually requires the use of a calculator.

Since the bandwidth required depends on the transmission speed, reference tables have to be provided for all the possible transmission speeds: S400, S800, S1600, S3200.

The scenarios that involve cameras with different video format combinations are far too many to make tabularization practical. Instead the designer can use the tables of percentages or bandwidth units and pick the numbers of interest.

The tables showing the packet sizes are not dependent on transmission speed, however not all formats are available at all speeds. The IIDC specification provides a very condensed set of tables with additional notation to indicate the minimum required speed. In the interest of clarity and ease of use the tables with the packet sizes will be repeated for each transmission speed, each time showing only the formats available for that speed.

Reference Tables for IIDC Formats available in S3200

Packet Size in Bytes

Format_0: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	1920	960	480	240	120	60		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	5120	2560	1280	640	320	160	80	40
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	15360	7680	3840	1920	960	480	240	120
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	20480	10240	5120	2560	1280	640	320	160
Mode_4	640x480 RGB 24bit/pixel	30720	15360	7680	3840	1920	960	480	240
Mode_5	640x480 Y(Mono) 8bit/pixel	10240	5120	2560	1280	640	320	160	80
Mode_6	640x480 Y(Mono16) 16bit/pixel	20480	10240	5120	2560	1280	640	320	160
Mode_7	Reserved								

Format_1: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	32000	16000	8000	4000	2000	1000	500	
Mode_1	800x600 RGB 24bit/pixel		24000	12000	6000	3000	1500		
Mode_2	800x600 Y (Mono) 8bit/pixel	16000	8000	4000	2000	1000	500		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		24576	12288	6144	3072	1536	768	384
Mode_4	1024x768 RGB 24bit/pixel			18432	9216	4608	2304	1152	576
Mode_5	1024x768 Y (Mono) 8bit/pixel	24576	12288	6144	3072	1536	768	384	192
Mode_6	800x600 Y(Mono16) 16bit/pixel	32000	16000	8000	4000	2000	1000	500	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		24576	12288	6144	3072	1536	768	384

Format_2: Packet Size in Bytes

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		20480	10240	5120	2560	1280	640
Mode_1	1280x960 RGB 24bit/pixel		30720	15360	7680	3840	1920	960
Mode_2	1280x960 Y (Mono) 8bit/pixel	20480	10240	5120	2560	1280	640	320
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		32000	16000	8000	4000	2000	1000
Mode_4	1600x1200 RGB 24bit/pixel			24000	12000	6000	3000	1500
Mode_5	1600x1200 Y (Mono) 8bit/pixel	32000	16000	8000	4000	2000	1000	500
Mode_6	1280x960 Y (Mono16) 16bit/pixel		20480	10240	5120	2560	1280	640
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		32000	16000	8000	4000	2000	1000

Bandwidth Allocation Units for S3200

Format_0: Bandwidth Allocation Units for S3200

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	240	120	60	30	15	8		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	640	320	160	80	40	20	10	5
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1920	960	480	240	120	60	30	15
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2560	1280	640	320	160	80	40	20
Mode_4	640x480 RGB 24bit/pixel	3840	1920	960	480	240	120	60	30
Mode_5	640x480 Y(Mono) 8bit/pixel	1280	640	320	160	80	40	20	10
Mode_6	640x480 Y(Mono16) 16bit/pixel	2560	1280	640	320	160	80	40	20
Mode_7	Reserved								

Format_1: Bandwidth Allocation Units for S3200

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	4000	2000	1000	500	250	125	63	
Mode_1	800x600 RGB 24bit/pixel		3000	1500	750	375	188		
Mode_2	800x600 Y (Mono) 8bit/pixel	2000	1000	500	250	125	63		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		3072	1536	768	384	192	96	48
Mode_4	1024x768 RGB 24bit/pixel			2304	1152	576	288	144	72
Mode_5	1024x768 Y (Mono) 8bit/pixel	3072	1536	768	384	192	96	48	24
Mode_6	800x600 Y(Mono16) 16bit/pixel	4000	2000	1000	500	250	125	62.5	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		3072	1536	768	384	192	96	48

Format_2: Bandwidth Allocation Units for S3200

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2560	1280	640	320	160	80
Mode_1	1280x960 RGB 24bit/pixel		3840	1920	960	480	240	120
Mode_2	1280x960 Y (Mono) 8bit/pixel	2560	1280	640	320	160	80	40
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		4000	2000	1000	500	250	125
Mode_4	1600x1200 RGB 24bit/pixel			3000	1500	750	375	188
Mode_5	1600x1200 Y (Mono) 8bit/pixel	4000	2000	1000	500	250	125	63
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2560	1280	640	320	160	80
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		4000	2000	1000	500	250	125

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 80% = 4915 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.88%	2.44%	1.22%	0.61%	0.31%	0.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%	0.20%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%	0.61%	0.31%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%
Mode_4	640x480 RGB 24bit/pixel	78.13%	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%	0.61%
Mode_5	640x480 Y(Mono) 8bit/pixel	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%	0.20%
Mode_6	640x480 Y(Mono16) 16bit/pixel	52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	20	40	81	163	327	614		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	7	15	30	61	122	245	491	983
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	20	40	81	163	327
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	1	3	7	15	30	61	122	245
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	20	40	81	163
Mode_5	640x480 Y(Mono) 8bit/pixel	3	7	15	30	61	122	245	491
Mode_6	640x480 Y(Mono16) 16bit/pixel	1	3	7	15	30	61	122	245
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	81.38%	40.69%	20.35%	10.17%	5.09%	2.54%	1.28%	
Mode_1	800x600 RGB 24bit/pixel		61.04%	30.52%	15.26%	7.63%	3.83%		
Mode_2	800x600 Y (Mono) 8bit/pixel	40.69%	20.35%	10.17%	5.09%	2.54%	1.28%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		62.50%	31.25%	15.63%	7.81%	3.91%	1.95%	0.98%
Mode_4	1024x768 RGB 24bit/pixel			46.88%	23.44%	11.72%	5.86%	2.93%	1.46%
Mode_5	1024x768 Y (Mono) 8bit/pixel	62.50%	31.25%	15.63%	7.81%	3.91%	1.95%	0.98%	0.49%
Mode_6	800x600 Y(Mono16) 16bit/pixel	81.38%	40.69%	20.35%	10.17%	5.09%	2.54%	1.28%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		62.50%	31.25%	15.63%	7.81%	3.91%	1.95%	0.98%

Format_1: S3200 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	4	9	19	39	78	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	26		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	4	9	19	39	78		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	12	25	51	102
Mode_4	1024x768 RGB 24bit/pixel			2	4	8	17	34	68
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	12	25	51	102	204
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	4	9	19	39	78	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	12	25	51	102

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_1	1280x960 RGB 24bit/pixel		78.13%	39.06%	19.53%	9.77%	4.88%	2.44%
Mode_2	1280x960 Y (Mono) 8bit/pixel	52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%	2.54%
Mode_4	1600x1200 RGB 24bit/pixel			61.04%	30.52%	15.26%	7.63%	3.83%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	81.38%	40.69%	20.35%	10.17%	5.09%	2.54%	1.28%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%	2.54%

Format_2: S3200 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		1	3	7	15	30	61
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	20	40
Mode_2	1280x960 Y (Mono) 8bit/pixel	1	3	7	15	30	61	122
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	4	9	19	39
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	26
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	4	9	19	39	78
Mode_6	1280x960 Y (Mono16) 16bit/pixel		1	3	7	15	30	61
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	4	9	19	39

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 81% = 4976 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.82%	2.41%	1.21%	0.60%	0.30%	0.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%	0.20%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%	0.60%	0.30%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%
Mode_4	640x480 RGB 24bit/pixel	77.17%	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%	0.60%
Mode_5	640x480 Y(Mono) 8bit/pixel	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%	0.20%
Mode_6	640x480 Y(Mono16) 16bit/pixel	51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	20	41	82	165	331	622		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	7	15	31	62	124	248	497	995
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	20	41	82	165	331
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	62	124	248
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	20	41	82	165
Mode_5	640x480 Y(Mono) 8bit/pixel	3	7	15	31	62	124	248	497
Mode_6	640x480 Y(Mono16) 16bit/pixel	1	3	7	15	31	62	124	248
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	80.39%	40.19%	20.10%	10.05%	5.02%	2.51%	1.27%	
Mode_1	800x600 RGB 24bit/pixel		60.29%	30.14%	15.07%	7.54%	3.78%		
Mode_2	800x600 Y (Mono) 8bit/pixel	40.19%	20.10%	10.05%	5.02%	2.51%	1.27%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		61.74%	30.87%	15.43%	7.72%	3.86%	1.93%	0.96%
Mode_4	1024x768 RGB 24bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_5	1024x768 Y (Mono) 8bit/pixel	61.74%	30.87%	15.43%	7.72%	3.86%	1.93%	0.96%	0.48%
Mode_6	800x600 Y(Mono16) 16bit/pixel	80.39%	40.19%	20.10%	10.05%	5.02%	2.51%	1.27%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		61.74%	30.87%	15.43%	7.72%	3.86%	1.93%	0.96%

Format_1: S3200 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	4	9	19	39	78	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	26		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	4	9	19	39	78		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	12	25	51	103
Mode_4	1024x768 RGB 24bit/pixel			2	4	8	17	34	69
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	12	25	51	103	207
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	4	9	19	39	78	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	12	25	51	103

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_1	1280x960 RGB 24bit/pixel		77.17%	38.59%	19.29%	9.65%	4.82%	2.41%
Mode_2	1280x960 Y (Mono) 8bit/pixel	51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%	2.51%
Mode_4	1600x1200 RGB 24bit/pixel			60.29%	30.14%	15.07%	7.54%	3.78%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	80.39%	40.19%	20.10%	10.05%	5.02%	2.51%	1.27%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%	2.51%

Format_2: S3200 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	20	41
Mode_2	1280x960 Y (Mono) 8bit/pixel	1	3	7	15	31	62	124
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	4	9	19	39
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	26
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	4	9	19	39	78
Mode_6	1280x960 Y (Mono16) 16bit/pixel		1	3	7	15	31	62
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	4	9	19	39

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 82% = 5038 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.76%	2.38%	1.19%	0.60%	0.30%	0.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%	0.20%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%	0.60%	0.30%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%
Mode_4	640x480 RGB 24bit/pixel	76.22%	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%	0.60%
Mode_5	640x480 Y(Mono) 8bit/pixel	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%	0.20%
Mode_6	640x480 Y(Mono16) 16bit/pixel	50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	20	41	83	167	335	629		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	7	15	31	62	125	251	503	1007
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	20	41	83	167	335
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	62	125	251
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	20	41	83	167
Mode_5	640x480 Y(Mono) 8bit/pixel	3	7	15	31	62	125	251	503
Mode_6	640x480 Y(Mono16) 16bit/pixel	1	3	7	15	31	62	125	251
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	79.40%	39.70%	19.85%	9.92%	4.96%	2.48%	1.25%	
Mode_1	800x600 RGB 24bit/pixel		59.55%	29.77%	14.89%	7.44%	3.73%		
Mode_2	800x600 Y (Mono) 8bit/pixel	39.70%	19.85%	9.92%	4.96%	2.48%	1.25%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		60.98%	30.49%	15.24%	7.62%	3.81%	1.91%	0.95%
Mode_4	1024x768 RGB 24bit/pixel			45.73%	22.87%	11.43%	5.72%	2.86%	1.43%
Mode_5	1024x768 Y (Mono) 8bit/pixel	60.98%	30.49%	15.24%	7.62%	3.81%	1.91%	0.95%	0.48%
Mode_6	800x600 Y(Mono16) 16bit/pixel	79.40%	39.70%	19.85%	9.92%	4.96%	2.48%	1.25%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		60.98%	30.49%	15.24%	7.62%	3.81%	1.91%	0.95%

Format_1: S3200 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	20	40	79	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	26		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	20	40	79		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	26	52	104
Mode_4	1024x768 RGB 24bit/pixel			2	4	8	17	34	69
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	26	52	104	209
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	20	40	79	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	26	52	104

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_1	1280x960 RGB 24bit/pixel		76.22%	38.11%	19.06%	9.53%	4.76%	2.38%
Mode_2	1280x960 Y (Mono) 8bit/pixel	50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%	2.48%
Mode_4	1600x1200 RGB 24bit/pixel			59.55%	29.77%	14.89%	7.44%	3.73%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	79.40%	39.70%	19.85%	9.92%	4.96%	2.48%	1.25%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%	2.48%

Format_2: S3200 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	20	41
Mode_2	1280x960 Y (Mono) 8bit/pixel	1	3	7	15	31	62	125
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	40
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	26
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	20	40	79
Mode_6	1280x960 Y (Mono16) 16bit/pixel		1	3	7	15	31	62
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	20	40

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 83% = 5099 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.71%	2.35%	1.18%	0.59%	0.29%	0.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%	0.20%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%	0.59%	0.29%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%
Mode_4	640x480 RGB 24bit/pixel	75.31%	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%	0.59%
Mode_5	640x480 Y(Mono) 8bit/pixel	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%	0.20%
Mode_6	640x480 Y(Mono16) 16bit/pixel	50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	21	42	84	169	339	637		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	7	15	31	63	127	254	509	1019
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	21	42	84	169	339
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	63	127	254
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	21	42	84	169
Mode_5	640x480 Y(Mono) 8bit/pixel	3	7	15	31	63	127	254	509
Mode_6	640x480 Y(Mono16) 16bit/pixel	1	3	7	15	31	63	127	254
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	78.45%	39.22%	19.61%	9.81%	4.90%	2.45%	1.24%	
Mode_1	800x600 RGB 24bit/pixel		58.84%	29.42%	14.71%	7.35%	3.69%		
Mode_2	800x600 Y (Mono) 8bit/pixel	39.22%	19.61%	9.81%	4.90%	2.45%	1.24%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		60.25%	30.12%	15.06%	7.53%	3.77%	1.88%	0.94%
Mode_4	1024x768 RGB 24bit/pixel			45.19%	22.59%	11.30%	5.65%	2.82%	1.41%
Mode_5	1024x768 Y (Mono) 8bit/pixel	60.25%	30.12%	15.06%	7.53%	3.77%	1.88%	0.94%	0.47%
Mode_6	800x600 Y(Mono16) 16bit/pixel	78.45%	39.22%	19.61%	9.81%	4.90%	2.45%	1.24%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		60.25%	30.12%	15.06%	7.53%	3.77%	1.88%	0.94%

Format_1: S3200 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	20	40	80	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	27		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	20	40	80		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	26	53	106
Mode_4	1024x768 RGB 24bit/pixel			2	4	8	17	35	70
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	26	53	106	212
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	20	40	80	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	26	53	106

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_1	1280x960 RGB 24bit/pixel		75.31%	37.65%	18.83%	9.41%	4.71%	2.35%
Mode_2	1280x960 Y (Mono) 8bit/pixel	50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%	2.45%
Mode_4	1600x1200 RGB 24bit/pixel			58.84%	29.42%	14.71%	7.35%	3.69%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	78.45%	39.22%	19.61%	9.81%	4.90%	2.45%	1.24%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%	2.45%

Format_2: S3200 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	63
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	21	42
Mode_2	1280x960 Y (Mono) 8bit/pixel	1	3	7	15	31	63	127
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	40
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	27
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	20	40	80
Mode_6	1280x960 Y (Mono16) 16bit/pixel		1	3	7	15	31	63
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	20	40

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 84% = 5160 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.65%	2.33%	1.16%	0.58%	0.29%	0.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%	0.19%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%	0.58%	0.29%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%
Mode_4	640x480 RGB 24bit/pixel	74.42%	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%	0.58%
Mode_5	640x480 Y(Mono) 8bit/pixel	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%	0.19%
Mode_6	640x480 Y(Mono16) 16bit/pixel	49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	21	43	86	172	344	645		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	16	32	64	129	258	516	1032
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	21	43	86	172	344
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	16	32	64	129	258
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	21	43	86	172
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	16	32	64	129	258	516
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	16	32	64	129	258
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	77.52%	38.76%	19.38%	9.69%	4.84%	2.42%	1.22%	
Mode_1	800x600 RGB 24bit/pixel		58.14%	29.07%	14.53%	7.27%	3.64%		
Mode_2	800x600 Y (Mono) 8bit/pixel	38.76%	19.38%	9.69%	4.84%	2.42%	1.22%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		59.53%	29.77%	14.88%	7.44%	3.72%	1.86%	0.93%
Mode_4	1024x768 RGB 24bit/pixel			44.65%	22.33%	11.16%	5.58%	2.79%	1.40%
Mode_5	1024x768 Y (Mono) 8bit/pixel	59.53%	29.77%	14.88%	7.44%	3.72%	1.86%	0.93%	0.47%
Mode_6	800x600 Y(Mono16) 16bit/pixel	77.52%	38.76%	19.38%	9.69%	4.84%	2.42%	1.22%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		59.53%	29.77%	14.88%	7.44%	3.72%	1.86%	0.93%

Format_1: S3200 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	20	41	81	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	27		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	20	41	81		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	26	53	107
Mode_4	1024x768 RGB 24bit/pixel			2	4	8	17	35	71
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	26	53	107	215
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	20	41	81	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	26	53	107

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_1	1280x960 RGB 24bit/pixel		74.42%	37.21%	18.60%	9.30%	4.65%	2.33%
Mode_2	1280x960 Y (Mono) 8bit/pixel	49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%	2.42%
Mode_4	1600x1200 RGB 24bit/pixel			58.14%	29.07%	14.53%	7.27%	3.64%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	77.52%	38.76%	19.38%	9.69%	4.84%	2.42%	1.22%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%	2.42%

Format_2: S3200 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	64
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	21	43
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	16	32	64	129
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	41
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	27
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	20	41	81
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	16	32	64
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	20	41

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 85% = 5222 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.60%	2.30%	1.15%	0.57%	0.29%	0.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%	0.19%	0.10%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%	0.57%	0.29%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%
Mode_4	640x480 RGB 24bit/pixel	73.54%	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%	0.57%
Mode_5	640x480 Y(Mono) 8bit/pixel	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%	0.19%
Mode_6	640x480 Y(Mono16) 16bit/pixel	49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	21	43	87	174	348	652		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	16	32	65	130	261	522	1044
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	10	21	43	87	174	348
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	16	32	65	130	261
Mode_4	640x480 RGB 24bit/pixel	1	2	5	10	21	43	87	174
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	16	32	65	130	261	522
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	16	32	65	130	261
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	76.60%	38.30%	19.15%	9.57%	4.79%	2.39%	1.21%	
Mode_1	800x600 RGB 24bit/pixel		57.45%	28.72%	14.36%	7.18%	3.60%		
Mode_2	800x600 Y (Mono) 8bit/pixel	38.30%	19.15%	9.57%	4.79%	2.39%	1.21%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		58.83%	29.41%	14.71%	7.35%	3.68%	1.84%	0.92%
Mode_4	1024x768 RGB 24bit/pixel			44.12%	22.06%	11.03%	5.52%	2.76%	1.38%
Mode_5	1024x768 Y (Mono) 8bit/pixel	58.83%	29.41%	14.71%	7.35%	3.68%	1.84%	0.92%	0.46%
Mode_6	800x600 Y(Mono16) 16bit/pixel	76.60%	38.30%	19.15%	9.57%	4.79%	2.39%	1.21%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		58.83%	29.41%	14.71%	7.35%	3.68%	1.84%	0.92%

Format_1: S3200 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	20	41	82	
Mode_1	800x600 RGB 24bit/pixel		1	3	6	13	27		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	20	41	82		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	27	54	108
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	18	36	72
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	27	54	108	217
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	20	41	82	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	27	54	108

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_1	1280x960 RGB 24bit/pixel		73.54%	36.77%	18.38%	9.19%	4.60%	2.30%
Mode_2	1280x960 Y (Mono) 8bit/pixel	49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%	2.39%
Mode_4	1600x1200 RGB 24bit/pixel			57.45%	28.72%	14.36%	7.18%	3.60%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	76.60%	38.30%	19.15%	9.57%	4.79%	2.39%	1.21%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%	2.39%

Format_2: S3200 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	65
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	10	21	43
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	16	32	65	130
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	41
Mode_4	1600x1200 RGB 24bit/pixel			1	3	6	13	27
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	20	41	82
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	16	32	65
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	20	41

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 86% = 5283 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.54%	2.27%	1.14%	0.57%	0.28%	0.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%	0.19%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%	0.57%	0.28%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%
Mode_4	640x480 RGB 24bit/pixel	72.69%	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%	0.57%
Mode_5	640x480 Y(Mono) 8bit/pixel	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%	0.19%
Mode_6	640x480 Y(Mono16) 16bit/pixel	48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	22	44	88	176	352	660		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	16	33	66	132	264	528	1056
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	22	44	88	176	352
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	66	132	264
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	22	44	88	176
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	16	33	66	132	264	528
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	16	33	66	132	264
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	75.71%	37.86%	18.93%	9.46%	4.73%	2.37%	1.19%	
Mode_1	800x600 RGB 24bit/pixel		56.79%	28.39%	14.20%	7.10%	3.56%		
Mode_2	800x600 Y (Mono) 8bit/pixel	37.86%	18.93%	9.46%	4.73%	2.37%	1.19%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		58.15%	29.07%	14.54%	7.27%	3.63%	1.82%	0.91%
Mode_4	1024x768 RGB 24bit/pixel			43.61%	21.81%	10.90%	5.45%	2.73%	1.36%
Mode_5	1024x768 Y (Mono) 8bit/pixel	58.15%	29.07%	14.54%	7.27%	3.63%	1.82%	0.91%	0.45%
Mode_6	800x600 Y(Mono16) 16bit/pixel	75.71%	37.86%	18.93%	9.46%	4.73%	2.37%	1.19%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		58.15%	29.07%	14.54%	7.27%	3.63%	1.82%	0.91%

Format_1: S3200 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	21	42	83	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	28		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	21	42	83		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	27	55	110
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	18	36	73
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	27	55	110	220
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	21	42	83	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	27	55	110

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_1	1280x960 RGB 24bit/pixel		72.69%	36.34%	18.17%	9.09%	4.54%	2.27%
Mode_2	1280x960 Y (Mono) 8bit/pixel	48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%	2.37%
Mode_4	1600x1200 RGB 24bit/pixel			56.79%	28.39%	14.20%	7.10%	3.56%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	75.71%	37.86%	18.93%	9.46%	4.73%	2.37%	1.19%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%	2.37%

Format_2: S3200 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	22	44
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	16	33	66	132
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	42
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	28
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	21	42	83
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	16	33	66
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	21	42

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 87% = 5345 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.49%	2.25%	1.12%	0.56%	0.28%	0.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%	0.19%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%	0.56%	0.28%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%
Mode_4	640x480 RGB 24bit/pixel	71.84%	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%	0.56%
Mode_5	640x480 Y(Mono) 8bit/pixel	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%	0.19%
Mode_6	640x480 Y(Mono16) 16bit/pixel	47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	22	44	89	178	356	668		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	16	33	66	133	267	534	1069
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	22	44	89	178	356
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	66	133	267
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	22	44	89	178
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	16	33	66	133	267	534
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	16	33	66	133	267
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	74.84%	37.42%	18.71%	9.35%	4.68%	2.34%	1.18%	
Mode_1	800x600 RGB 24bit/pixel		56.13%	28.06%	14.03%	7.02%	3.52%		
Mode_2	800x600 Y (Mono) 8bit/pixel	37.42%	18.71%	9.35%	4.68%	2.34%	1.18%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		57.47%	28.74%	14.37%	7.18%	3.59%	1.80%	0.90%
Mode_4	1024x768 RGB 24bit/pixel			43.11%	21.55%	10.78%	5.39%	2.69%	1.35%
Mode_5	1024x768 Y (Mono) 8bit/pixel	57.47%	28.74%	14.37%	7.18%	3.59%	1.80%	0.90%	0.45%
Mode_6	800x600 Y(Mono16) 16bit/pixel	74.84%	37.42%	18.71%	9.35%	4.68%	2.34%	1.18%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		57.47%	28.74%	14.37%	7.18%	3.59%	1.80%	0.90%

Format_1: S3200 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	21	42	84	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	28		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	21	42	84		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	6	13	27	55	111
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	18	37	74
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	6	13	27	55	111	222
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	21	42	84	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	6	13	27	55	111

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_1	1280x960 RGB 24bit/pixel		71.84%	35.92%	17.96%	8.98%	4.49%	2.25%
Mode_2	1280x960 Y (Mono) 8bit/pixel	47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%	2.34%
Mode_4	1600x1200 RGB 24bit/pixel			56.13%	28.06%	14.03%	7.02%	3.52%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	74.84%	37.42%	18.71%	9.35%	4.68%	2.34%	1.18%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%	2.34%

Format_2: S3200 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	22	44
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	16	33	66	133
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	42
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	28
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	21	42	84
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	16	33	66
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	21	42

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 88% = 5406 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.44%	2.22%	1.11%	0.55%	0.28%	0.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%	0.18%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%	0.55%	0.28%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%
Mode_4	640x480 RGB 24bit/pixel	71.03%	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%	0.55%
Mode_5	640x480 Y(Mono) 8bit/pixel	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%	0.18%
Mode_6	640x480 Y(Mono16) 16bit/pixel	47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	22	45	90	180	360	675		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	16	33	67	135	270	540	1081
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	22	45	90	180	360
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	67	135	270
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	22	45	90	180
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	16	33	67	135	270	540
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	16	33	67	135	270
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	73.99%	37.00%	18.50%	9.25%	4.62%	2.31%	1.17%	
Mode_1	800x600 RGB 24bit/pixel		55.49%	27.75%	13.87%	6.94%	3.48%		
Mode_2	800x600 Y (Mono) 8bit/pixel	37.00%	18.50%	9.25%	4.62%	2.31%	1.17%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		56.83%	28.41%	14.21%	7.10%	3.55%	1.78%	0.89%
Mode_4	1024x768 RGB 24bit/pixel			42.62%	21.31%	10.65%	5.33%	2.66%	1.33%
Mode_5	1024x768 Y (Mono) 8bit/pixel	56.83%	28.41%	14.21%	7.10%	3.55%	1.78%	0.89%	0.44%
Mode_6	800x600 Y(Mono16) 16bit/pixel	73.99%	37.00%	18.50%	9.25%	4.62%	2.31%	1.17%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		56.83%	28.41%	14.21%	7.10%	3.55%	1.78%	0.89%

Format_1: S3200 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	21	43	85	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	28		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	21	43	85		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	7	14	28	56	112
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	18	37	75
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	7	14	28	56	112	225
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	21	43	85	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	7	14	28	56	112

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_1	1280x960 RGB 24bit/pixel		71.03%	35.52%	17.76%	8.88%	4.44%	2.22%
Mode_2	1280x960 Y (Mono) 8bit/pixel	47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%	2.31%
Mode_4	1600x1200 RGB 24bit/pixel			55.49%	27.75%	13.87%	6.94%	3.48%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	73.99%	37.00%	18.50%	9.25%	4.62%	2.31%	1.17%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%	2.31%

Format_2: S3200 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	67
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	22	45
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	16	33	67	135
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	43
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	28
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	21	43	85
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	16	33	67
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	21	43

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 89% = 5468 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.39%	2.19%	1.10%	0.55%	0.27%	0.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%	0.18%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%	0.55%	0.27%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%
Mode_4	640x480 RGB 24bit/pixel	70.23%	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%	0.55%
Mode_5	640x480 Y(Mono) 8bit/pixel	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%	0.18%
Mode_6	640x480 Y(Mono16) 16bit/pixel	46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	22	45	91	182	364	683		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	17	34	68	136	273	546	1093
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	22	45	91	182	364
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	68	136	273
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	22	45	91	182
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	17	34	68	136	273	546
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	17	34	68	136	273
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	73.15%	36.58%	18.29%	9.14%	4.57%	2.29%	1.15%	
Mode_1	800x600 RGB 24bit/pixel		54.86%	27.43%	13.72%	6.86%	3.44%		
Mode_2	800x600 Y (Mono) 8bit/pixel	36.58%	18.29%	9.14%	4.57%	2.29%	1.15%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		56.18%	28.09%	14.05%	7.02%	3.51%	1.76%	0.88%
Mode_4	1024x768 RGB 24bit/pixel			42.14%	21.07%	10.53%	5.27%	2.63%	1.32%
Mode_5	1024x768 Y (Mono) 8bit/pixel	56.18%	28.09%	14.05%	7.02%	3.51%	1.76%	0.88%	0.44%
Mode_6	800x600 Y(Mono16) 16bit/pixel	73.15%	36.58%	18.29%	9.14%	4.57%	2.29%	1.15%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		56.18%	28.09%	14.05%	7.02%	3.51%	1.76%	0.88%

Format_1: S3200 Max. Cameras (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	10	21	43	86	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	29		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	10	21	43	86		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	7	14	28	56	113
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	18	37	75
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	7	14	28	56	113	227
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	10	21	43	86	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	7	14	28	56	113

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_1	1280x960 RGB 24bit/pixel		70.23%	35.11%	17.56%	8.78%	4.39%	2.19%
Mode_2	1280x960 Y (Mono) 8bit/pixel	46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%	2.29%
Mode_4	1600x1200 RGB 24bit/pixel			54.86%	27.43%	13.72%	6.86%	3.44%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	73.15%	36.58%	18.29%	9.14%	4.57%	2.29%	1.15%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%	2.29%

Format_2: S3200 Max. Cameras (Baseline 89% - 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	68
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	22	45
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	17	34	68	136
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	43
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	29
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	10	21	43	86
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	17	34	68
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	10	21	43

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 90% = 5529 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.34%	2.17%	1.09%	0.54%	0.27%	0.14%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%	0.18%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%	0.54%	0.27%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%
Mode_4	640x480 RGB 24bit/pixel	69.45%	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%	0.54%
Mode_5	640x480 Y(Mono) 8bit/pixel	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%	0.18%
Mode_6	640x480 Y(Mono16) 16bit/pixel	46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	23	46	92	184	368	691		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	17	34	69	138	276	552	1105
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	23	46	92	184	368
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	69	138	276
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	23	46	92	184
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	17	34	69	138	276	552
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	17	34	69	138	276
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	72.35%	36.17%	18.09%	9.04%	4.52%	2.26%	1.14%	
Mode_1	800x600 RGB 24bit/pixel		54.26%	27.13%	13.56%	6.78%	3.40%		
Mode_2	800x600 Y (Mono) 8bit/pixel	36.17%	18.09%	9.04%	4.52%	2.26%	1.14%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		55.56%	27.78%	13.89%	6.95%	3.47%	1.74%	0.87%
Mode_4	1024x768 RGB 24bit/pixel			41.67%	20.84%	10.42%	5.21%	2.60%	1.30%
Mode_5	1024x768 Y (Mono) 8bit/pixel	55.56%	27.78%	13.89%	6.95%	3.47%	1.74%	0.87%	0.43%
Mode_6	800x600 Y(Mono16) 16bit/pixel	72.35%	36.17%	18.09%	9.04%	4.52%	2.26%	1.14%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		55.56%	27.78%	13.89%	6.95%	3.47%	1.74%	0.87%

Format_1: S3200 Max. Cameras (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	11	22	44	87	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	29		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	11	22	44	87		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	7	14	28	57	115
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	19	38	76
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	7	14	28	57	115	230
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	11	22	44	87	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	7	14	28	57	115

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_1	1280x960 RGB 24bit/pixel		69.45%	34.73%	17.36%	8.68%	4.34%	2.17%
Mode_2	1280x960 Y (Mono) 8bit/pixel	46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%	2.26%
Mode_4	1600x1200 RGB 24bit/pixel			54.26%	27.13%	13.56%	6.78%	3.40%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	72.35%	36.17%	18.09%	9.04%	4.52%	2.26%	1.14%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%	2.26%

Format_2: S3200 Max. Cameras (Baseline 90% - 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	23	46
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	17	34	69	138
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	44
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	29
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	11	22	44	87
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	17	34	69
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	11	22	44

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 91% = 5591 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.29%	2.15%	1.07%	0.54%	0.27%	0.14%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%	0.18%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%	0.54%	0.27%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%
Mode_4	640x480 RGB 24bit/pixel	68.68%	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%	0.54%
Mode_5	640x480 Y(Mono) 8bit/pixel	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%	0.18%
Mode_6	640x480 Y(Mono16) 16bit/pixel	45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	23	46	93	186	372	698		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	17	34	69	139	279	559	1118
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	23	46	93	186	372
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	69	139	279
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	23	46	93	186
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	17	34	69	139	279	559
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	17	34	69	139	279
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	71.54%	35.77%	17.89%	8.94%	4.47%	2.24%	1.13%	
Mode_1	800x600 RGB 24bit/pixel		53.66%	26.83%	13.41%	6.71%	3.36%		
Mode_2	800x600 Y (Mono) 8bit/pixel	35.77%	17.89%	8.94%	4.47%	2.24%	1.13%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		54.95%	27.47%	13.74%	6.87%	3.43%	1.72%	0.86%
Mode_4	1024x768 RGB 24bit/pixel			41.21%	20.60%	10.30%	5.15%	2.58%	1.29%
Mode_5	1024x768 Y (Mono) 8bit/pixel	54.95%	27.47%	13.74%	6.87%	3.43%	1.72%	0.86%	0.43%
Mode_6	800x600 Y(Mono16) 16bit/pixel	71.54%	35.77%	17.89%	8.94%	4.47%	2.24%	1.13%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		54.95%	27.47%	13.74%	6.87%	3.43%	1.72%	0.86%

Format_1: S3200 Max. Cameras (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	11	22	44	88	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	14	29		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	11	22	44	88		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	7	14	29	58	116
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	19	38	77
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	7	14	29	58	116	232
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	11	22	44	88	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	7	14	29	58	116

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_1	1280x960 RGB 24bit/pixel		68.68%	34.34%	17.17%	8.59%	4.29%	2.15%
Mode_2	1280x960 Y (Mono) 8bit/pixel	45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%	2.24%
Mode_4	1600x1200 RGB 24bit/pixel			53.66%	26.83%	13.41%	6.71%	3.36%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	71.54%	35.77%	17.89%	8.94%	4.47%	2.24%	1.13%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%	2.24%

Format_2: S3200 Max. Cameras (Baseline 91% - 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	23	46
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	17	34	69	139
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	44
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	14	29
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	11	22	44	88
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	17	34	69
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	11	22	44

S3200 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 92% = 5652 bandwidth units

Format_0: S3200 Isochronous Bandwidth Utilization (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	4.25%	2.12%	1.06%	0.53%	0.27%	0.14%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%	0.18%	0.09%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%	0.53%	0.27%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%
Mode_4	640x480 RGB 24bit/pixel	67.94%	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%	0.53%
Mode_5	640x480 Y(Mono) 8bit/pixel	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%	0.18%
Mode_6	640x480 Y(Mono16) 16bit/pixel	45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%
Mode_7	Reserved								

Format_0: S3200 Max. Cameras (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	23	47	94	188	376	706		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	8	17	35	70	141	282	565	1130
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	2	5	11	23	47	94	188	376
Mode_3	640x480 YUV(4:2:2) 16bit/pixel	2	4	8	17	35	70	141	282
Mode_4	640x480 RGB 24bit/pixel	1	2	5	11	23	47	94	188
Mode_5	640x480 Y(Mono) 8bit/pixel	4	8	17	35	70	141	282	565
Mode_6	640x480 Y(Mono16) 16bit/pixel	2	4	8	17	35	70	141	282
Mode_7	Reserved								

Format_1: S3200 Isochronous Bandwidth Utilization (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	70.77%	35.39%	17.69%	8.85%	4.42%	2.21%	1.11%	
Mode_1	800x600 RGB 24bit/pixel		53.08%	26.54%	13.27%	6.63%	3.33%		
Mode_2	800x600 Y (Mono) 8bit/pixel	35.39%	17.69%	8.85%	4.42%	2.21%	1.11%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		54.35%	27.18%	13.59%	6.79%	3.40%	1.70%	0.85%
Mode_4	1024x768 RGB 24bit/pixel			40.76%	20.38%	10.19%	5.10%	2.55%	1.27%
Mode_5	1024x768 Y (Mono) 8bit/pixel	54.35%	27.18%	13.59%	6.79%	3.40%	1.70%	0.85%	0.42%
Mode_6	800x600 Y(Mono16) 16bit/pixel	70.77%	35.39%	17.69%	8.85%	4.42%	2.21%	1.11%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		54.35%	27.18%	13.59%	6.79%	3.40%	1.70%	0.85%

Format_1: S3200 Max. Cameras (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel	1	2	5	11	22	45	89	
Mode_1	800x600 RGB 24bit/pixel		1	3	7	15	30		
Mode_2	800x600 Y (Mono) 8bit/pixel	2	5	11	22	45	89		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel		1	3	7	14	29	58	117
Mode_4	1024x768 RGB 24bit/pixel			2	4	9	19	39	78
Mode_5	1024x768 Y (Mono) 8bit/pixel	1	3	7	14	29	58	117	235
Mode_6	800x600 Y(Mono16) 16bit/pixel	1	2	5	11	22	45	89	
Mode_7	1024x768 Y(Mono16) 16bit/pixel		1	3	7	14	29	58	117

Format_2: S3200 Isochronous Bandwidth Utilization (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_1	1280x960 RGB 24bit/pixel		67.94%	33.97%	16.99%	8.49%	4.25%	2.12%
Mode_2	1280x960 Y (Mono) 8bit/pixel	45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%	2.21%
Mode_4	1600x1200 RGB 24bit/pixel			53.08%	26.54%	13.27%	6.63%	3.33%
Mode_5	1600x1200 Y (Mono) 8bit/pixel	70.77%	35.39%	17.69%	8.85%	4.42%	2.21%	1.11%
Mode_6	1280x960 Y (Mono16) 16bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%	2.21%

Format_2: S3200 Max. Cameras (Baseline 92% - 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel		2	4	8	17	35	70
Mode_1	1280x960 RGB 24bit/pixel		1	2	5	11	23	47
Mode_2	1280x960 Y (Mono) 8bit/pixel	2	4	8	17	35	70	141
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	45
Mode_4	1600x1200 RGB 24bit/pixel			1	3	7	15	30
Mode_5	1600x1200 Y (Mono) 8bit/pixel	1	2	5	11	22	45	89
Mode_6	1280x960 Y (Mono16) 16bit/pixel		2	4	8	17	35	70
Mode_7	1600x1200 Y (Mono16) 16bit/pixel		1	2	5	11	22	45

Reference Tables for IIDC Formats available in S1600

Packet Size in Bytes

Format_0: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	1920	960	480	240	120	60		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	5120	2560	1280	640	320	160	80	40
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	15360	7680	3840	1920	960	480	240	120
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		10240	5120	2560	1280	640	320	160
Mode_4	640x480 RGB 24bit/pixel		15360	7680	3840	1920	960	480	240
Mode_5	640x480 Y(Mono) 8bit/pixel	10240	5120	2560	1280	640	320	160	80
Mode_6	640x480 Y(Mono16) 16bit/pixel		10240	5120	2560	1280	640	320	160
Mode_7	Reserved								

Format_1: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		16000	8000	4000	2000	1000	500	
Mode_1	800x600 RGB 24bit/pixel			12000	6000	3000	1500		
Mode_2	800x600 Y (Mono) 8bit/pixel	16000	8000	4000	2000	1000	500		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			12288	6144	3072	1536	768	384
Mode_4	1024x768 RGB 24bit/pixel				9216	4608	2304	1152	576
Mode_5	1024x768 Y (Mono) 8bit/pixel		12288	6144	3072	1536	768	384	192
Mode_6	800x600 Y(Mono16) 16bit/pixel		16000	8000	4000	2000	1000	500	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			12288	6144	3072	1536	768	384

Format_2: Packet Size in Bytes

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			10240	5120	2560	1280	640
Mode_1	1280x960 RGB 24bit/pixel			15360	7680	3840	1920	960
Mode_2	1280x960 Y (Mono) 8bit/pixel		10240	5120	2560	1280	640	320
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			16000	8000	4000	2000	1000
Mode_4	1600x1200 RGB 24bit/pixel				12000	6000	3000	1500
Mode_5	1600x1200 Y (Mono) 8bit/pixel		16000	8000	4000	2000	1000	500
Mode_6	1280x960 Y (Mono16) 16bit/pixel			10240	5120	2560	1280	640
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			16000	8000	4000	2000	1000

Bandwidth Allocation Units for S1600

Format_0: Bandwidth Allocation Units for S1600

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	480	240	120	60	30	15		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	1280	640	320	160	80	40	20	10
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	3840	1920	960	480	240	120	60	30
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2560	1280	640	320	160	80	40
Mode_4	640x480 RGB 24bit/pixel		3840	1920	960	480	240	120	60
Mode_5	640x480 Y(Mono) 8bit/pixel	2560	1280	640	320	160	80	40	20
Mode_6	640x480 Y(Mono16) 16bit/pixel		2560	1280	640	320	160	80	40
Mode_7	Reserved								

Format_1: Bandwidth Allocation Units for S1600

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		4000	2000	1000	500	250	125	
Mode_1	800x600 RGB 24bit/pixel			3000	1500	750	375		
Mode_2	800x600 Y (Mono) 8bit/pixel	4000	2000	1000	500	250	125		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			3072	1536	768	384	192	96
Mode_4	1024x768 RGB 24bit/pixel				2304	1152	576	288	144
Mode_5	1024x768 Y (Mono) 8bit/pixel		3072	1536	768	384	192	96	48
Mode_6	800x600 Y(Mono16) 16bit/pixel		4000	2000	1000	500	250	125	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			3072	1536	768	384	192	96

Format_2: Bandwidth Allocation Units for S1600

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2560	1280	640	320	160
Mode_1	1280x960 RGB 24bit/pixel			3840	1920	960	480	240
Mode_2	1280x960 Y (Mono) 8bit/pixel		2560	1280	640	320	160	80
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			4000	2000	1000	500	250
Mode_4	1600x1200 RGB 24bit/pixel				3000	1500	750	375
Mode_5	1600x1200 Y (Mono) 8bit/pixel		4000	2000	1000	500	250	125
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2560	1280	640	320	160
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			4000	2000	1000	500	250

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 80% = 4915 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.77%	4.88%	2.44%	1.22%	0.61%	0.31%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%	0.20%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	78.13%	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%	0.61%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%
Mode_4	640x480 RGB 24bit/pixel		78.13%	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%
Mode_5	640x480 Y(Mono) 8bit/pixel	52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%
Mode_6	640x480 Y(Mono16) 16bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	20	40	81	163	327		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	3	7	15	30	61	122	245	491
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	20	40	81	163
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		1	3	7	15	30	61	122
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	20	40	81
Mode_5	640x480 Y(Mono) 8bit/pixel	1	3	7	15	30	61	122	245
Mode_6	640x480 Y(Mono16) 16bit/pixel		1	3	7	15	30	61	122
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%	2.54%	
Mode_1	800x600 RGB 24bit/pixel			61.04%	30.52%	15.26%	7.63%		
Mode_2	800x600 Y (Mono) 8bit/pixel	81.38%	40.69%	20.35%	10.17%	5.09%	2.54%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			62.50%	31.25%	15.63%	7.81%	3.91%	1.95%
Mode_4	1024x768 RGB 24bit/pixel				46.88%	23.44%	11.72%	5.86%	2.93%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	62.50%	31.25%	15.63%	7.81%	3.91%	1.95%	0.98%
Mode_6	800x600 Y(Mono16) 16bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%	2.54%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			62.50%	31.25%	15.63%	7.81%	3.91%	1.95%

Format_1: S1600 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	4	9	19	39	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	4	9	19	39		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	12	25	51
Mode_4	1024x768 RGB 24bit/pixel				2	4	8	17	34
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	12	25	51	102
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	4	9	19	39	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	12	25	51

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%
Mode_1	1280x960 RGB 24bit/pixel			78.13%	39.06%	19.53%	9.77%	4.88%
Mode_2	1280x960 Y (Mono) 8bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			81.38%	40.69%	20.35%	10.17%	5.09%
Mode_4	1600x1200 RGB 24bit/pixel				61.04%	30.52%	15.26%	7.63%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%	2.54%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			81.38%	40.69%	20.35%	10.17%	5.09%

Format_2: S1600 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			1	3	7	15	30
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	20
Mode_2	1280x960 Y (Mono) 8bit/pixel		1	3	7	15	30	61
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	4	9	19
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	4	9	19	39
Mode_6	1280x960 Y (Mono16) 16bit/pixel			1	3	7	15	30
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	4	9	19

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 81% = 4976 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.65%	4.82%	2.41%	1.21%	0.60%	0.30%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%	0.20%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	77.17%	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%	0.60%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%
Mode_4	640x480 RGB 24bit/pixel		77.17%	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%
Mode_5	640x480 Y(Mono) 8bit/pixel	51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%
Mode_6	640x480 Y(Mono16) 16bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	20	41	82	165	331		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	3	7	15	31	62	124	248	497
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	20	41	82	165
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62	124
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	20	41	82
Mode_5	640x480 Y(Mono) 8bit/pixel	1	3	7	15	31	62	124	248
Mode_6	640x480 Y(Mono16) 16bit/pixel		1	3	7	15	31	62	124
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%	2.51%	
Mode_1	800x600 RGB 24bit/pixel			60.29%	30.14%	15.07%	7.54%		
Mode_2	800x600 Y (Mono) 8bit/pixel	80.39%	40.19%	20.10%	10.05%	5.02%	2.51%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			61.74%	30.87%	15.43%	7.72%	3.86%	1.93%
Mode_4	1024x768 RGB 24bit/pixel				46.30%	23.15%	11.58%	5.79%	2.89%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	61.74%	30.87%	15.43%	7.72%	3.86%	1.93%	0.96%
Mode_6	800x600 Y(Mono16) 16bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%	2.51%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			61.74%	30.87%	15.43%	7.72%	3.86%	1.93%

Format_1: S1600 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	4	9	19	39	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	4	9	19	39		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	12	25	51
Mode_4	1024x768 RGB 24bit/pixel				2	4	8	17	34
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	12	25	51	103
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	4	9	19	39	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	12	25	51

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%
Mode_1	1280x960 RGB 24bit/pixel			77.17%	38.59%	19.29%	9.65%	4.82%
Mode_2	1280x960 Y (Mono) 8bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			80.39%	40.19%	20.10%	10.05%	5.02%
Mode_4	1600x1200 RGB 24bit/pixel				60.29%	30.14%	15.07%	7.54%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%	2.51%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			80.39%	40.19%	20.10%	10.05%	5.02%

Format_2: S1600 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			1	3	7	15	31
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	20
Mode_2	1280x960 Y (Mono) 8bit/pixel		1	3	7	15	31	62
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	4	9	19
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	4	9	19	39
Mode_6	1280x960 Y (Mono16) 16bit/pixel			1	3	7	15	31
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	4	9	19

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 82% = 5038 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.53%	4.76%	2.38%	1.19%	0.60%	0.30%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%	0.20%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	76.22%	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%	0.60%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%
Mode_4	640x480 RGB 24bit/pixel		76.22%	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%
Mode_5	640x480 Y(Mono) 8bit/pixel	50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%
Mode_6	640x480 Y(Mono16) 16bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	20	41	83	167	335		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	3	7	15	31	62	125	251	503
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	20	41	83	167
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62	125
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	20	41	83
Mode_5	640x480 Y(Mono) 8bit/pixel	1	3	7	15	31	62	125	251
Mode_6	640x480 Y(Mono16) 16bit/pixel		1	3	7	15	31	62	125
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%	2.48%	
Mode_1	800x600 RGB 24bit/pixel			59.55%	29.77%	14.89%	7.44%		
Mode_2	800x600 Y (Mono) 8bit/pixel	79.40%	39.70%	19.85%	9.92%	4.96%	2.48%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			60.98%	30.49%	15.24%	7.62%	3.81%	1.91%
Mode_4	1024x768 RGB 24bit/pixel				45.73%	22.87%	11.43%	5.72%	2.86%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	60.98%	30.49%	15.24%	7.62%	3.81%	1.91%	0.95%
Mode_6	800x600 Y(Mono16) 16bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%	2.48%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			60.98%	30.49%	15.24%	7.62%	3.81%	1.91%

Format_1: S1600 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	40	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	20	40		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	26	52
Mode_4	1024x768 RGB 24bit/pixel				2	4	8	17	34
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	26	52	104
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	20	40	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	26	52

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%
Mode_1	1280x960 RGB 24bit/pixel			76.22%	38.11%	19.06%	9.53%	4.76%
Mode_2	1280x960 Y (Mono) 8bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			79.40%	39.70%	19.85%	9.92%	4.96%
Mode_4	1600x1200 RGB 24bit/pixel				59.55%	29.77%	14.89%	7.44%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%	2.48%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			79.40%	39.70%	19.85%	9.92%	4.96%

Format_2: S1600 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			1	3	7	15	31
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	20
Mode_2	1280x960 Y (Mono) 8bit/pixel		1	3	7	15	31	62
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	20
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	20	40
Mode_6	1280x960 Y (Mono16) 16bit/pixel			1	3	7	15	31
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	20

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 83% = 5099 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.41%	4.71%	2.35%	1.18%	0.59%	0.29%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%	0.20%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	75.31%	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%	0.59%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%
Mode_4	640x480 RGB 24bit/pixel		75.31%	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%
Mode_5	640x480 Y(Mono) 8bit/pixel	50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%
Mode_6	640x480 Y(Mono16) 16bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	21	42	84	169	339		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	3	7	15	31	63	127	254	509
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	21	42	84	169
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	63	127
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	21	42	84
Mode_5	640x480 Y(Mono) 8bit/pixel	1	3	7	15	31	63	127	254
Mode_6	640x480 Y(Mono16) 16bit/pixel		1	3	7	15	31	63	127
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%	2.45%	
Mode_1	800x600 RGB 24bit/pixel			58.84%	29.42%	14.71%	7.35%		
Mode_2	800x600 Y (Mono) 8bit/pixel	78.45%	39.22%	19.61%	9.81%	4.90%	2.45%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			60.25%	30.12%	15.06%	7.53%	3.77%	1.88%
Mode_4	1024x768 RGB 24bit/pixel				45.19%	22.59%	11.30%	5.65%	2.82%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	60.25%	30.12%	15.06%	7.53%	3.77%	1.88%	0.94%
Mode_6	800x600 Y(Mono16) 16bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%	2.45%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			60.25%	30.12%	15.06%	7.53%	3.77%	1.88%

Format_1: S1600 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	40	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	20	40		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	26	53
Mode_4	1024x768 RGB 24bit/pixel				2	4	8	17	35
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	26	53	106
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	20	40	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	26	53

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%
Mode_1	1280x960 RGB 24bit/pixel			75.31%	37.65%	18.83%	9.41%	4.71%
Mode_2	1280x960 Y (Mono) 8bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%
Mode_4	1600x1200 RGB 24bit/pixel				58.84%	29.42%	14.71%	7.35%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%	2.45%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%

Format_2: S1600 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			1	3	7	15	31
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	21
Mode_2	1280x960 Y (Mono) 8bit/pixel		1	3	7	15	31	63
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	20
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	20	40
Mode_6	1280x960 Y (Mono16) 16bit/pixel			1	3	7	15	31
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	20

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 84% = 5160 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.30%	4.65%	2.33%	1.16%	0.58%	0.29%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%	0.19%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	74.42%	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%	0.58%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%
Mode_4	640x480 RGB 24bit/pixel		74.42%	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%
Mode_5	640x480 Y(Mono) 8bit/pixel	49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%
Mode_6	640x480 Y(Mono16) 16bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	21	43	86	172	344		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	16	32	64	129	258	516
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	21	43	86	172
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	64	129
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	21	43	86
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	16	32	64	129	258
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	16	32	64	129
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%	2.42%	
Mode_1	800x600 RGB 24bit/pixel			58.14%	29.07%	14.53%	7.27%		
Mode_2	800x600 Y (Mono) 8bit/pixel	77.52%	38.76%	19.38%	9.69%	4.84%	2.42%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			59.53%	29.77%	14.88%	7.44%	3.72%	1.86%
Mode_4	1024x768 RGB 24bit/pixel				44.65%	22.33%	11.16%	5.58%	2.79%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	59.53%	29.77%	14.88%	7.44%	3.72%	1.86%	0.93%
Mode_6	800x600 Y(Mono16) 16bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%	2.42%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			59.53%	29.77%	14.88%	7.44%	3.72%	1.86%

Format_1: S1600 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	41	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	20	41		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	26	53
Mode_4	1024x768 RGB 24bit/pixel				2	4	8	17	35
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	26	53	107
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	20	41	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	26	53

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%
Mode_1	1280x960 RGB 24bit/pixel			74.42%	37.21%	18.60%	9.30%	4.65%
Mode_2	1280x960 Y (Mono) 8bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			77.52%	38.76%	19.38%	9.69%	4.84%
Mode_4	1600x1200 RGB 24bit/pixel				58.14%	29.07%	14.53%	7.27%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%	2.42%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			77.52%	38.76%	19.38%	9.69%	4.84%

Format_2: S1600 Max. Cameras (Baseline 84% - 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	16	32
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	21
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	16	32	64
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	20
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	20	41
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	16	32
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	20

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 85% = 5222 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.19%	4.60%	2.30%	1.15%	0.57%	0.29%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%	0.19%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	73.54%	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%	0.57%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%
Mode_4	640x480 RGB 24bit/pixel		73.54%	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%
Mode_5	640x480 Y(Mono) 8bit/pixel	49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%
Mode_6	640x480 Y(Mono16) 16bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	10	21	43	87	174	348		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	16	32	65	130	261	522
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	10	21	43	87	174
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	65	130
Mode_4	640x480 RGB 24bit/pixel		1	2	5	10	21	43	87
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	16	32	65	130	261
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	16	32	65	130
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%	2.39%	
Mode_1	800x600 RGB 24bit/pixel			57.45%	28.72%	14.36%	7.18%		
Mode_2	800x600 Y (Mono) 8bit/pixel	76.60%	38.30%	19.15%	9.57%	4.79%	2.39%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			58.83%	29.41%	14.71%	7.35%	3.68%	1.84%
Mode_4	1024x768 RGB 24bit/pixel				44.12%	22.06%	11.03%	5.52%	2.76%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	58.83%	29.41%	14.71%	7.35%	3.68%	1.84%	0.92%
Mode_6	800x600 Y(Mono16) 16bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%	2.39%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			58.83%	29.41%	14.71%	7.35%	3.68%	1.84%

Format_1: S1600 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	20	41	
Mode_1	800x600 RGB 24bit/pixel			1	3	6	13		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	20	41		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	27	54
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	18	36
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	27	54	108
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	20	41	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	27	54

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%
Mode_1	1280x960 RGB 24bit/pixel			73.54%	36.77%	18.38%	9.19%	4.60%
Mode_2	1280x960 Y (Mono) 8bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			76.60%	38.30%	19.15%	9.57%	4.79%
Mode_4	1600x1200 RGB 24bit/pixel				57.45%	28.72%	14.36%	7.18%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%	2.39%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			76.60%	38.30%	19.15%	9.57%	4.79%

Format_2: S1600 Max. Cameras (Baseline 85% - 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	16	32
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	10	21
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	16	32	65
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	20
Mode_4	1600x1200 RGB 24bit/pixel				1	3	6	13
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	20	41
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	16	32
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	20

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 86% = 5283 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	9.09%	4.54%	2.27%	1.14%	0.57%	0.28%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%	0.19%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	72.69%	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%	0.57%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%
Mode_4	640x480 RGB 24bit/pixel		72.69%	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%
Mode_5	640x480 Y(Mono) 8bit/pixel	48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%
Mode_6	640x480 Y(Mono16) 16bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	22	44	88	176	352		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	16	33	66	132	264	528
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	22	44	88	176
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66	132
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	22	44	88
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	16	33	66	132	264
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	16	33	66	132
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%	2.37%	
Mode_1	800x600 RGB 24bit/pixel			56.79%	28.39%	14.20%	7.10%		
Mode_2	800x600 Y (Mono) 8bit/pixel	75.71%	37.86%	18.93%	9.46%	4.73%	2.37%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			58.15%	29.07%	14.54%	7.27%	3.63%	1.82%
Mode_4	1024x768 RGB 24bit/pixel				43.61%	21.81%	10.90%	5.45%	2.73%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	58.15%	29.07%	14.54%	7.27%	3.63%	1.82%	0.91%
Mode_6	800x600 Y(Mono16) 16bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%	2.37%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			58.15%	29.07%	14.54%	7.27%	3.63%	1.82%

Format_1: S1600 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	42	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	21	42		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	27	55
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	18	36
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	27	55	110
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	21	42	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	27	55

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%
Mode_1	1280x960 RGB 24bit/pixel			72.69%	36.34%	18.17%	9.09%	4.54%
Mode_2	1280x960 Y (Mono) 8bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			75.71%	37.86%	18.93%	9.46%	4.73%
Mode_4	1600x1200 RGB 24bit/pixel				56.79%	28.39%	14.20%	7.10%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%	2.37%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			75.71%	37.86%	18.93%	9.46%	4.73%

Format_2: S1600 Max. Cameras (Baseline 86% - 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	16	33
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	22
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	16	33	66
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	21
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	21	42
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	16	33
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	21

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 87% = 5345 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.98%	4.49%	2.25%	1.12%	0.56%	0.28%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%	0.19%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	71.84%	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%	0.56%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%
Mode_4	640x480 RGB 24bit/pixel		71.84%	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%
Mode_5	640x480 Y(Mono) 8bit/pixel	47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%
Mode_6	640x480 Y(Mono16) 16bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	22	44	89	178	356		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	16	33	66	133	267	534
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	22	44	89	178
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66	133
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	22	44	89
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	16	33	66	133	267
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	16	33	66	133
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%	2.34%	
Mode_1	800x600 RGB 24bit/pixel			56.13%	28.06%	14.03%	7.02%		
Mode_2	800x600 Y (Mono) 8bit/pixel	74.84%	37.42%	18.71%	9.35%	4.68%	2.34%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			57.47%	28.74%	14.37%	7.18%	3.59%	1.80%
Mode_4	1024x768 RGB 24bit/pixel				43.11%	21.55%	10.78%	5.39%	2.69%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	57.47%	28.74%	14.37%	7.18%	3.59%	1.80%	0.90%
Mode_6	800x600 Y(Mono16) 16bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%	2.34%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			57.47%	28.74%	14.37%	7.18%	3.59%	1.80%

Format_1: S1600 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	42	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	21	42		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	6	13	27	55
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	18	37
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	6	13	27	55	111
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	21	42	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	6	13	27	55

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%
Mode_1	1280x960 RGB 24bit/pixel			71.84%	35.92%	17.96%	8.98%	4.49%
Mode_2	1280x960 Y (Mono) 8bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			74.84%	37.42%	18.71%	9.35%	4.68%
Mode_4	1600x1200 RGB 24bit/pixel				56.13%	28.06%	14.03%	7.02%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%	2.34%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			74.84%	37.42%	18.71%	9.35%	4.68%

Format_2: S1600 Max. Cameras (Baseline 87% - 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	16	33
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	22
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	16	33	66
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	21
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	21	42
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	16	33
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	21

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 88% = 5406 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.88%	4.44%	2.22%	1.11%	0.55%	0.28%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%	0.18%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	71.03%	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%	0.55%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%
Mode_4	640x480 RGB 24bit/pixel		71.03%	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%
Mode_5	640x480 Y(Mono) 8bit/pixel	47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%
Mode_6	640x480 Y(Mono16) 16bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	22	45	90	180	360		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	16	33	67	135	270	540
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	22	45	90	180
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	67	135
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	22	45	90
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	16	33	67	135	270
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	16	33	67	135
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%	2.31%	
Mode_1	800x600 RGB 24bit/pixel			55.49%	27.75%	13.87%	6.94%		
Mode_2	800x600 Y (Mono) 8bit/pixel	73.99%	37.00%	18.50%	9.25%	4.62%	2.31%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			56.83%	28.41%	14.21%	7.10%	3.55%	1.78%
Mode_4	1024x768 RGB 24bit/pixel				42.62%	21.31%	10.65%	5.33%	2.66%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	56.83%	28.41%	14.21%	7.10%	3.55%	1.78%	0.89%
Mode_6	800x600 Y(Mono16) 16bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%	2.31%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			56.83%	28.41%	14.21%	7.10%	3.55%	1.78%

Format_1: S1600 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	43	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	21	43		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	7	14	28	56
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	18	37
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	7	14	28	56	112
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	21	43	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	7	14	28	56

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%
Mode_1	1280x960 RGB 24bit/pixel			71.03%	35.52%	17.76%	8.88%	4.44%
Mode_2	1280x960 Y (Mono) 8bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			73.99%	37.00%	18.50%	9.25%	4.62%
Mode_4	1600x1200 RGB 24bit/pixel				55.49%	27.75%	13.87%	6.94%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%	2.31%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			73.99%	37.00%	18.50%	9.25%	4.62%

Format_2: S1600 Max. Cameras (Baseline 88% - 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	16	33
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	22
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	16	33	67
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	21
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	21	43
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	16	33
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	21

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 89% = 5468 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.78%	4.39%	2.19%	1.10%	0.55%	0.27%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%	0.18%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	70.23%	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%	0.55%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%
Mode_4	640x480 RGB 24bit/pixel		70.23%	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%
Mode_5	640x480 Y(Mono) 8bit/pixel	46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%
Mode_6	640x480 Y(Mono16) 16bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	22	45	91	182	364		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	17	34	68	136	273	546
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	22	45	91	182
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	68	136
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	22	45	91
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	17	34	68	136	273
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	17	34	68	136
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%	2.29%	
Mode_1	800x600 RGB 24bit/pixel			54.86%	27.43%	13.72%	6.86%		
Mode_2	800x600 Y (Mono) 8bit/pixel	73.15%	36.58%	18.29%	9.14%	4.57%	2.29%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			56.18%	28.09%	14.05%	7.02%	3.51%	1.76%
Mode_4	1024x768 RGB 24bit/pixel				42.14%	21.07%	10.53%	5.27%	2.63%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	56.18%	28.09%	14.05%	7.02%	3.51%	1.76%	0.88%
Mode_6	800x600 Y(Mono16) 16bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%	2.29%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			56.18%	28.09%	14.05%	7.02%	3.51%	1.76%

Format_1: S1600 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	10	21	43	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	10	21	43		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	7	14	28	56
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	18	37
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	7	14	28	56	113
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	10	21	43	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	7	14	28	56

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%
Mode_1	1280x960 RGB 24bit/pixel			70.23%	35.11%	17.56%	8.78%	4.39%
Mode_2	1280x960 Y (Mono) 8bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			73.15%	36.58%	18.29%	9.14%	4.57%
Mode_4	1600x1200 RGB 24bit/pixel				54.86%	27.43%	13.72%	6.86%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%	2.29%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			73.15%	36.58%	18.29%	9.14%	4.57%

Format_2: S1600 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	17	34
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	22
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	17	34	68
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	10	21
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	10	21	43
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	17	34
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	10	21

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 90% = 5529 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.68%	4.34%	2.17%	1.09%	0.54%	0.27%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%	0.18%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	69.45%	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%	0.54%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%
Mode_4	640x480 RGB 24bit/pixel		69.45%	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%
Mode_5	640x480 Y(Mono) 8bit/pixel	46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%
Mode_6	640x480 Y(Mono16) 16bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	23	46	92	184	368		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	17	34	69	138	276	552
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	23	46	92	184
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69	138
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	23	46	92
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	17	34	69	138	276
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	17	34	69	138
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%	2.26%	
Mode_1	800x600 RGB 24bit/pixel			54.26%	27.13%	13.56%	6.78%		
Mode_2	800x600 Y (Mono) 8bit/pixel	72.35%	36.17%	18.09%	9.04%	4.52%	2.26%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			55.56%	27.78%	13.89%	6.95%	3.47%	1.74%
Mode_4	1024x768 RGB 24bit/pixel				41.67%	20.84%	10.42%	5.21%	2.60%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	55.56%	27.78%	13.89%	6.95%	3.47%	1.74%	0.87%
Mode_6	800x600 Y(Mono16) 16bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%	2.26%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			55.56%	27.78%	13.89%	6.95%	3.47%	1.74%

Format_1: S1600 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	44	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	11	22	44		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	7	14	28	57
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	19	38
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	7	14	28	57	115
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	11	22	44	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	7	14	28	57

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%
Mode_1	1280x960 RGB 24bit/pixel			69.45%	34.73%	17.36%	8.68%	4.34%
Mode_2	1280x960 Y (Mono) 8bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%
Mode_4	1600x1200 RGB 24bit/pixel				54.26%	27.13%	13.56%	6.78%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%	2.26%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%

Format_2: S1600 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	17	34
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	23
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	17	34	69
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	11	22
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	11	22	44
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	17	34
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	11	22

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 91% = 5591 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.59%	4.29%	2.15%	1.07%	0.54%	0.27%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%	0.18%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	68.68%	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%	0.54%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%
Mode_4	640x480 RGB 24bit/pixel		68.68%	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%
Mode_5	640x480 Y(Mono) 8bit/pixel	45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%
Mode_6	640x480 Y(Mono16) 16bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	23	46	93	186	372		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	17	34	69	139	279	559
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	23	46	93	186
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69	139
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	23	46	93
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	17	34	69	139	279
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	17	34	69	139
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%	2.24%	
Mode_1	800x600 RGB 24bit/pixel			53.66%	26.83%	13.41%	6.71%		
Mode_2	800x600 Y (Mono) 8bit/pixel	71.54%	35.77%	17.89%	8.94%	4.47%	2.24%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			54.95%	27.47%	13.74%	6.87%	3.43%	1.72%
Mode_4	1024x768 RGB 24bit/pixel				41.21%	20.60%	10.30%	5.15%	2.58%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	54.95%	27.47%	13.74%	6.87%	3.43%	1.72%	0.86%
Mode_6	800x600 Y(Mono16) 16bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%	2.24%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			54.95%	27.47%	13.74%	6.87%	3.43%	1.72%

Format_1: S1600 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	44	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	14		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	11	22	44		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	7	14	29	58
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	19	38
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	7	14	29	58	116
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	11	22	44	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	7	14	29	58

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%
Mode_1	1280x960 RGB 24bit/pixel			68.68%	34.34%	17.17%	8.59%	4.29%
Mode_2	1280x960 Y (Mono) 8bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			71.54%	35.77%	17.89%	8.94%	4.47%
Mode_4	1600x1200 RGB 24bit/pixel				53.66%	26.83%	13.41%	6.71%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%	2.24%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			71.54%	35.77%	17.89%	8.94%	4.47%

Format_2: S1600 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	17	34
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	23
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	17	34	69
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	11	22
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	14
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	11	22	44
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	17	34
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	11	22

S1600 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 92% = 5652 bandwidth units

Format_0: S1600 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	8.49%	4.25%	2.12%	1.06%	0.53%	0.27%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%	0.18%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	67.94%	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%	0.53%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%
Mode_4	640x480 RGB 24bit/pixel		67.94%	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%
Mode_5	640x480 Y(Mono) 8bit/pixel	45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%
Mode_6	640x480 Y(Mono16) 16bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%
Mode_7	Reserved								

Format_0: S1600 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	11	23	47	94	188	376		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	4	8	17	35	70	141	282	565
Mode_2	640x480 YUV(4:1:1) 12bit/pixel	1	2	5	11	23	47	94	188
Mode_3	640x480 YUV(4:2:2) 16bit/pixel		2	4	8	17	35	70	141
Mode_4	640x480 RGB 24bit/pixel		1	2	5	11	23	47	94
Mode_5	640x480 Y(Mono) 8bit/pixel	2	4	8	17	35	70	141	282
Mode_6	640x480 Y(Mono16) 16bit/pixel		2	4	8	17	35	70	141
Mode_7	Reserved								

Format_1: S1600 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%	2.21%	
Mode_1	800x600 RGB 24bit/pixel			53.08%	26.54%	13.27%	6.63%		
Mode_2	800x600 Y (Mono) 8bit/pixel	70.77%	35.39%	17.69%	8.85%	4.42%	2.21%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			54.35%	27.18%	13.59%	6.79%	3.40%	1.70%
Mode_4	1024x768 RGB 24bit/pixel				40.76%	20.38%	10.19%	5.10%	2.55%
Mode_5	1024x768 Y (Mono) 8bit/pixel	0.00%	54.35%	27.18%	13.59%	6.79%	3.40%	1.70%	0.85%
Mode_6	800x600 Y(Mono16) 16bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%	2.21%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			54.35%	27.18%	13.59%	6.79%	3.40%	1.70%

Format_1: S1600 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel		1	2	5	11	22	45	
Mode_1	800x600 RGB 24bit/pixel			1	3	7	15		
Mode_2	800x600 Y (Mono) 8bit/pixel	1	2	5	11	22	45		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel			1	3	7	14	29	58
Mode_4	1024x768 RGB 24bit/pixel				2	4	9	19	39
Mode_5	1024x768 Y (Mono) 8bit/pixel		1	3	7	14	29	58	117
Mode_6	800x600 Y(Mono16) 16bit/pixel		1	2	5	11	22	45	
Mode_7	1024x768 Y(Mono16) 16bit/pixel			1	3	7	14	29	58

Format_2: S1600 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%
Mode_1	1280x960 RGB 24bit/pixel			67.94%	33.97%	16.99%	8.49%	4.25%
Mode_2	1280x960 Y (Mono) 8bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			70.77%	35.39%	17.69%	8.85%	4.42%
Mode_4	1600x1200 RGB 24bit/pixel				53.08%	26.54%	13.27%	6.63%
Mode_5	1600x1200 Y (Mono) 8bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%	2.21%
Mode_6	1280x960 Y (Mono16) 16bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			70.77%	35.39%	17.69%	8.85%	4.42%

Format_2: S1600 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel			2	4	8	17	35
Mode_1	1280x960 RGB 24bit/pixel			1	2	5	11	23
Mode_2	1280x960 Y (Mono) 8bit/pixel		2	4	8	17	35	70
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel			1	2	5	11	22
Mode_4	1600x1200 RGB 24bit/pixel				1	3	7	15
Mode_5	1600x1200 Y (Mono) 8bit/pixel		1	2	5	11	22	45
Mode_6	1280x960 Y (Mono16) 16bit/pixel			2	4	8	17	35
Mode_7	1600x1200 Y (Mono16) 16bit/pixel			1	2	5	11	22

Reference Tables for IIDC Formats available in S800

Packet Size in Bytes

Format_0: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	1920	960	480	240	120	60		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	5120	2560	1280	640	320	160	80	40
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		7680	3840	1920	960	480	240	120
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			5120	2560	1280	640	320	160
Mode_4	640x480 RGB 24bit/pixel			7680	3840	1920	960	480	240
Mode_5	640x480 Y(Mono) 8bit/pixel		5120	2560	1280	640	320	160	80
Mode_6	640x480 Y(Mono16) 16bit/pixel			5120	2560	1280	640	320	160
Mode_7	Reserved								

Format_1: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			8000	4000	2000	1000	500	
Mode_1	800x600 RGB 24bit/pixel				6000	3000	1500		
Mode_2	800x600 Y (Mono) 8bit/pixel		8000	4000	2000	1000	500		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				6144	3072	1536	768	384
Mode_4	1024x768 RGB 24bit/pixel					4608	2304	1152	576
Mode_5	1024x768 Y (Mono) 8bit/pixel			6144	3072	1536	768	384	192
Mode_6	800x600 Y(Mono16) 16bit/pixel			8000	4000	2000	1000	500	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				6144	3072	1536	768	384

Format_2: Packet Size in Bytes

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				5120	2560	1280	640
Mode_1	1280x960 RGB 24bit/pixel				7680	3840	1920	960
Mode_2	1280x960 Y (Mono) 8bit/pixel			5120	2560	1280	640	320
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				8000	4000	2000	1000
Mode_4	1600x1200 RGB 24bit/pixel					6000	3000	1500
Mode_5	1600x1200 Y (Mono) 8bit/pixel			8000	4000	2000	1000	500
Mode_6	1280x960 Y (Mono16) 16bit/pixel				5120	2560	1280	640
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				8000	4000	2000	1000

Bandwidth Allocation Units for S800

Format_0: Bandwidth Allocation Units for S800

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	960	480	240	120	60	30		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2560	1280	640	320	160	80	40	20
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		3840	1920	960	480	240	120	60
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2560	1280	640	320	160	80
Mode_4	640x480 RGB 24bit/pixel			3840	1920	960	480	240	120
Mode_5	640x480 Y(Mono) 8bit/pixel		2560	1280	640	320	160	80	40
Mode_6	640x480 Y(Mono16) 16bit/pixel			2560	1280	640	320	160	80
Mode_7	Reserved								

Format_1: Bandwidth Allocation Units for S800

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			4000	2000	1000	500	250	
Mode_1	800x600 RGB 24bit/pixel				3000	1500	750		
Mode_2	800x600 Y (Mono) 8bit/pixel		4000	2000	1000	500	250		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				3072	1536	768	384	192
Mode_4	1024x768 RGB 24bit/pixel					2304	1152	576	288
Mode_5	1024x768 Y (Mono) 8bit/pixel			3072	1536	768	384	192	96
Mode_6	800x600 Y(Mono16) 16bit/pixel			4000	2000	1000	500	250	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				3072	1536	768	384	192

Format_2: Bandwidth Allocation Units for S800

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2560	1280	640	320
Mode_1	1280x960 RGB 24bit/pixel				3840	1920	960	480
Mode_2	1280x960 Y (Mono) 8bit/pixel			2560	1280	640	320	160
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				4000	2000	1000	500
Mode_4	1600x1200 RGB 24bit/pixel					3000	1500	750
Mode_5	1600x1200 Y (Mono) 8bit/pixel			4000	2000	1000	500	250
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2560	1280	640	320
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				4000	2000	1000	500

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 80% = 4915 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	19.53%	9.77%	4.88%	2.44%	1.22%	0.61%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%	0.41%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		78.13%	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_4	640x480 RGB 24bit/pixel			78.13%	39.06%	19.53%	9.77%	4.88%	2.44%
Mode_5	640x480 Y(Mono) 8bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%
Mode_6	640x480 Y(Mono16) 16bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	20	40	81	163		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	1	3	7	15	30	61	122	245
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	20	40	81
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			1	3	7	15	30	61
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	20	40
Mode_5	640x480 Y(Mono) 8bit/pixel		1	3	7	15	30	61	122
Mode_6	640x480 Y(Mono16) 16bit/pixel			1	3	7	15	30	61
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			81.38%	40.69%	20.35%	10.17%	5.09%	
Mode_1	800x600 RGB 24bit/pixel				61.04%	30.52%	15.26%		
Mode_2	800x600 Y (Mono) 8bit/pixel		81.38%	40.69%	20.35%	10.17%	5.09%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				62.50%	31.25%	15.63%	7.81%	3.91%
Mode_4	1024x768 RGB 24bit/pixel					46.88%	23.44%	11.72%	5.86%
Mode_5	1024x768 Y (Mono) 8bit/pixel			62.50%	31.25%	15.63%	7.81%	3.91%	1.95%
Mode_6	800x600 Y(Mono16) 16bit/pixel			81.38%	40.69%	20.35%	10.17%	5.09%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				62.50%	31.25%	15.63%	7.81%	3.91%

Format_1: S800 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	4	9	19	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	4	9	19		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	12	25
Mode_4	1024x768 RGB 24bit/pixel					2	4	8	17
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	12	25	51
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	4	9	19	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	12	25

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				52.09%	26.04%	13.02%	6.51%
Mode_1	1280x960 RGB 24bit/pixel				78.13%	39.06%	19.53%	9.77%
Mode_2	1280x960 Y (Mono) 8bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				81.38%	40.69%	20.35%	10.17%
Mode_4	1600x1200 RGB 24bit/pixel					61.04%	30.52%	15.26%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			81.38%	40.69%	20.35%	10.17%	5.09%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				52.09%	26.04%	13.02%	6.51%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				81.38%	40.69%	20.35%	10.17%

Format_2: S800 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				1	3	7	15
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	10
Mode_2	1280x960 Y (Mono) 8bit/pixel			1	3	7	15	30
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	4	9
Mode_4	1600x1200 RGB 24bit/pixel					1	3	6
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	4	9	19
Mode_6	1280x960 Y (Mono16) 16bit/pixel				1	3	7	15
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	4	9

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 81% = 4976 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	19.29%	9.65%	4.82%	2.41%	1.21%	0.60%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%	0.40%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		77.17%	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_4	640x480 RGB 24bit/pixel			77.17%	38.59%	19.29%	9.65%	4.82%	2.41%
Mode_5	640x480 Y(Mono) 8bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%
Mode_6	640x480 Y(Mono16) 16bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	20	41	82	165		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	62	124	248
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	20	41	82
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			1	3	7	15	31	62
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	20	41
Mode_5	640x480 Y(Mono) 8bit/pixel		1	3	7	15	31	62	124
Mode_6	640x480 Y(Mono16) 16bit/pixel			1	3	7	15	31	62
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			80.39%	40.19%	20.10%	10.05%	5.02%	
Mode_1	800x600 RGB 24bit/pixel				60.29%	30.14%	15.07%		
Mode_2	800x600 Y (Mono) 8bit/pixel		80.39%	40.19%	20.10%	10.05%	5.02%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				61.74%	30.87%	15.43%	7.72%	3.86%
Mode_4	1024x768 RGB 24bit/pixel					46.30%	23.15%	11.58%	5.79%
Mode_5	1024x768 Y (Mono) 8bit/pixel			61.74%	30.87%	15.43%	7.72%	3.86%	1.93%
Mode_6	800x600 Y(Mono16) 16bit/pixel			80.39%	40.19%	20.10%	10.05%	5.02%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				61.74%	30.87%	15.43%	7.72%	3.86%

Format_1: S800 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	4	9	19	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	4	9	19		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	12	25
Mode_4	1024x768 RGB 24bit/pixel					2	4	8	17
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	12	25	51
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	4	9	19	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	12	25

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				51.45%	25.72%	12.86%	6.43%
Mode_1	1280x960 RGB 24bit/pixel				77.17%	38.59%	19.29%	9.65%
Mode_2	1280x960 Y (Mono) 8bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				80.39%	40.19%	20.10%	10.05%
Mode_4	1600x1200 RGB 24bit/pixel					60.29%	30.14%	15.07%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			80.39%	40.19%	20.10%	10.05%	5.02%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				51.45%	25.72%	12.86%	6.43%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				80.39%	40.19%	20.10%	10.05%

Format_2: S800 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				1	3	7	15
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	10
Mode_2	1280x960 Y (Mono) 8bit/pixel			1	3	7	15	31
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	4	9
Mode_4	1600x1200 RGB 24bit/pixel					1	3	6
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	4	9	19
Mode_6	1280x960 Y (Mono16) 16bit/pixel				1	3	7	15
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	4	9

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 82% = 5038 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	19.06%	9.53%	4.76%	2.38%	1.19%	0.60%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%	0.40%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		76.22%	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_4	640x480 RGB 24bit/pixel			76.22%	38.11%	19.06%	9.53%	4.76%	2.38%
Mode_5	640x480 Y(Mono) 8bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%
Mode_6	640x480 Y(Mono16) 16bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	20	41	83	167		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	62	125	251
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	20	41	83
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			1	3	7	15	31	62
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	20	41
Mode_5	640x480 Y(Mono) 8bit/pixel		1	3	7	15	31	62	125
Mode_6	640x480 Y(Mono16) 16bit/pixel			1	3	7	15	31	62
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			79.40%	39.70%	19.85%	9.92%	4.96%	
Mode_1	800x600 RGB 24bit/pixel				59.55%	29.77%	14.89%		
Mode_2	800x600 Y (Mono) 8bit/pixel		79.40%	39.70%	19.85%	9.92%	4.96%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				60.98%	30.49%	15.24%	7.62%	3.81%
Mode_4	1024x768 RGB 24bit/pixel					45.73%	22.87%	11.43%	5.72%
Mode_5	1024x768 Y (Mono) 8bit/pixel			60.98%	30.49%	15.24%	7.62%	3.81%	1.91%
Mode_6	800x600 Y(Mono16) 16bit/pixel			79.40%	39.70%	19.85%	9.92%	4.96%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				60.98%	30.49%	15.24%	7.62%	3.81%

Format_1: S800 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	20	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	20		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	26
Mode_4	1024x768 RGB 24bit/pixel					2	4	8	17
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	26	52
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	20	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	26

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				50.81%	25.41%	12.70%	6.35%
Mode_1	1280x960 RGB 24bit/pixel				76.22%	38.11%	19.06%	9.53%
Mode_2	1280x960 Y (Mono) 8bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				79.40%	39.70%	19.85%	9.92%
Mode_4	1600x1200 RGB 24bit/pixel					59.55%	29.77%	14.89%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			79.40%	39.70%	19.85%	9.92%	4.96%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				50.81%	25.41%	12.70%	6.35%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				79.40%	39.70%	19.85%	9.92%

Format_2: S800 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				1	3	7	15
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	10
Mode_2	1280x960 Y (Mono) 8bit/pixel			1	3	7	15	31
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	6
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	20
Mode_6	1280x960 Y (Mono16) 16bit/pixel				1	3	7	15
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 83% = 5099 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	18.83%	9.41%	4.71%	2.35%	1.18%	0.59%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%	0.39%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		75.31%	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_4	640x480 RGB 24bit/pixel			75.31%	37.65%	18.83%	9.41%	4.71%	2.35%
Mode_5	640x480 Y(Mono) 8bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%
Mode_6	640x480 Y(Mono16) 16bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	21	42	84	169		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	1	3	7	15	31	63	127	254
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	21	42	84
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			1	3	7	15	31	63
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	21	42
Mode_5	640x480 Y(Mono) 8bit/pixel		1	3	7	15	31	63	127
Mode_6	640x480 Y(Mono16) 16bit/pixel			1	3	7	15	31	63
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%	
Mode_1	800x600 RGB 24bit/pixel				58.84%	29.42%	14.71%		
Mode_2	800x600 Y (Mono) 8bit/pixel		78.45%	39.22%	19.61%	9.81%	4.90%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				60.25%	30.12%	15.06%	7.53%	3.77%
Mode_4	1024x768 RGB 24bit/pixel					45.19%	22.59%	11.30%	5.65%
Mode_5	1024x768 Y (Mono) 8bit/pixel			60.25%	30.12%	15.06%	7.53%	3.77%	1.88%
Mode_6	800x600 Y(Mono16) 16bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				60.25%	30.12%	15.06%	7.53%	3.77%

Format_1: S800 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	20	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	20		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	26
Mode_4	1024x768 RGB 24bit/pixel					2	4	8	17
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	26	53
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	20	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	26

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				50.21%	25.10%	12.55%	6.28%
Mode_1	1280x960 RGB 24bit/pixel				75.31%	37.65%	18.83%	9.41%
Mode_2	1280x960 Y (Mono) 8bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				78.45%	39.22%	19.61%	9.81%
Mode_4	1600x1200 RGB 24bit/pixel					58.84%	29.42%	14.71%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				50.21%	25.10%	12.55%	6.28%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				78.45%	39.22%	19.61%	9.81%

Format_2: S800 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				50.21%	25.10%	12.55%	6.28%
Mode_1	1280x960 RGB 24bit/pixel				75.31%	37.65%	18.83%	9.41%
Mode_2	1280x960 Y (Mono) 8bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				78.45%	39.22%	19.61%	9.81%
Mode_4	1600x1200 RGB 24bit/pixel					58.84%	29.42%	14.71%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			78.45%	39.22%	19.61%	9.81%	4.90%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				50.21%	25.10%	12.55%	6.28%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				78.45%	39.22%	19.61%	9.81%

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 84% = 5160 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	18.60%	9.30%	4.65%	2.33%	1.16%	0.58%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%	0.39%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		74.42%	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_4	640x480 RGB 24bit/pixel			74.42%	37.21%	18.60%	9.30%	4.65%	2.33%
Mode_5	640x480 Y(Mono) 8bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%
Mode_6	640x480 Y(Mono16) 16bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	21	43	86	172		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	16	32	64	129	258
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	21	43	86
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	16	32	64
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	21	43
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	16	32	64	129
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	16	32	64
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			77.52%	38.76%	19.38%	9.69%	4.84%	
Mode_1	800x600 RGB 24bit/pixel				58.14%	29.07%	14.53%		
Mode_2	800x600 Y (Mono) 8bit/pixel		77.52%	38.76%	19.38%	9.69%	4.84%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				59.53%	29.77%	14.88%	7.44%	3.72%
Mode_4	1024x768 RGB 24bit/pixel					44.65%	22.33%	11.16%	5.58%
Mode_5	1024x768 Y (Mono) 8bit/pixel			59.53%	29.77%	14.88%	7.44%	3.72%	1.86%
Mode_6	800x600 Y(Mono16) 16bit/pixel			77.52%	38.76%	19.38%	9.69%	4.84%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				59.53%	29.77%	14.88%	7.44%	3.72%

Format_1: S800 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	20	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	20		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	26
Mode_4	1024x768 RGB 24bit/pixel					2	4	8	17
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	26	53
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	20	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	26

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				49.61%	24.81%	12.40%	6.20%
Mode_1	1280x960 RGB 24bit/pixel				74.42%	37.21%	18.60%	9.30%
Mode_2	1280x960 Y (Mono) 8bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				77.52%	38.76%	19.38%	9.69%
Mode_4	1600x1200 RGB 24bit/pixel					58.14%	29.07%	14.53%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			77.52%	38.76%	19.38%	9.69%	4.84%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				49.61%	24.81%	12.40%	6.20%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				77.52%	38.76%	19.38%	9.69%

Format_2: S800 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	16
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	10
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	16	32
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	6
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	20
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	16
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 85% = 5222 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	18.38%	9.19%	4.60%	2.30%	1.15%	0.57%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%	0.38%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		73.54%	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_4	640x480 RGB 24bit/pixel			73.54%	36.77%	18.38%	9.19%	4.60%	2.30%
Mode_5	640x480 Y(Mono) 8bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%
Mode_6	640x480 Y(Mono16) 16bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	10	21	43	87	174		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	16	32	65	130	261
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	10	21	43	87
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	16	32	65
Mode_4	640x480 RGB 24bit/pixel			1	2	5	10	21	43
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	16	32	65	130
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	16	32	65
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			76.60%	38.30%	19.15%	9.57%	4.79%	
Mode_1	800x600 RGB 24bit/pixel				57.45%	28.72%	14.36%		
Mode_2	800x600 Y (Mono) 8bit/pixel		76.60%	38.30%	19.15%	9.57%	4.79%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				58.83%	29.41%	14.71%	7.35%	3.68%
Mode_4	1024x768 RGB 24bit/pixel					44.12%	22.06%	11.03%	5.52%
Mode_5	1024x768 Y (Mono) 8bit/pixel			58.83%	29.41%	14.71%	7.35%	3.68%	1.84%
Mode_6	800x600 Y(Mono16) 16bit/pixel			76.60%	38.30%	19.15%	9.57%	4.79%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				58.83%	29.41%	14.71%	7.35%	3.68%

Format_1: S800 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	20	
Mode_1	800x600 RGB 24bit/pixel				1	3	6		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	20		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	27
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	18
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	27	54
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	20	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	27

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				49.02%	24.51%	12.26%	6.13%
Mode_1	1280x960 RGB 24bit/pixel				73.54%	36.77%	18.38%	9.19%
Mode_2	1280x960 Y (Mono) 8bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				76.60%	38.30%	19.15%	9.57%
Mode_4	1600x1200 RGB 24bit/pixel					57.45%	28.72%	14.36%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			76.60%	38.30%	19.15%	9.57%	4.79%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				49.02%	24.51%	12.26%	6.13%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				76.60%	38.30%	19.15%	9.57%

Format_2: S800 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	16
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	10
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	16	32
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	6
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	20
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	16
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 86% = 5283 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	18.17%	9.09%	4.54%	2.27%	1.14%	0.57%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%	0.38%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		72.69%	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_4	640x480 RGB 24bit/pixel			72.69%	36.34%	18.17%	9.09%	4.54%	2.27%
Mode_5	640x480 Y(Mono) 8bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%
Mode_6	640x480 Y(Mono16) 16bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	22	44	88	176		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	66	132	264
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	22	44	88
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	16	33	66
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	22	44
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	16	33	66	132
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	16	33	66
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			75.71%	37.86%	18.93%	9.46%	4.73%	
Mode_1	800x600 RGB 24bit/pixel				56.79%	28.39%	14.20%		
Mode_2	800x600 Y (Mono) 8bit/pixel		75.71%	37.86%	18.93%	9.46%	4.73%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				58.15%	29.07%	14.54%	7.27%	3.63%
Mode_4	1024x768 RGB 24bit/pixel					43.61%	21.81%	10.90%	5.45%
Mode_5	1024x768 Y (Mono) 8bit/pixel			58.15%	29.07%	14.54%	7.27%	3.63%	1.82%
Mode_6	800x600 Y(Mono16) 16bit/pixel			75.71%	37.86%	18.93%	9.46%	4.73%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				58.15%	29.07%	14.54%	7.27%	3.63%

Format_1: S800 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	21	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	21		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	27
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	18
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	27	55
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	21	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	27

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				48.46%	24.23%	12.11%	6.06%
Mode_1	1280x960 RGB 24bit/pixel				72.69%	36.34%	18.17%	9.09%
Mode_2	1280x960 Y (Mono) 8bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				75.71%	37.86%	18.93%	9.46%
Mode_4	1600x1200 RGB 24bit/pixel					56.79%	28.39%	14.20%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			75.71%	37.86%	18.93%	9.46%	4.73%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				48.46%	24.23%	12.11%	6.06%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				75.71%	37.86%	18.93%	9.46%

Format_2: S800 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	16
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	16	33
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	21
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	16
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 87% = 5345 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	17.96%	8.98%	4.49%	2.25%	1.12%	0.56%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%	0.37%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		71.84%	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_4	640x480 RGB 24bit/pixel			71.84%	35.92%	17.96%	8.98%	4.49%	2.25%
Mode_5	640x480 Y(Mono) 8bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%
Mode_6	640x480 Y(Mono16) 16bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	22	44	89	178		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	66	133	267
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	22	44	89
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	16	33	66
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	22	44
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	16	33	66	133
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	16	33	66
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			74.84%	37.42%	18.71%	9.35%	4.68%	
Mode_1	800x600 RGB 24bit/pixel				56.13%	28.06%	14.03%		
Mode_2	800x600 Y (Mono) 8bit/pixel		74.84%	37.42%	18.71%	9.35%	4.68%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				57.47%	28.74%	14.37%	7.18%	3.59%
Mode_4	1024x768 RGB 24bit/pixel					43.11%	21.55%	10.78%	5.39%
Mode_5	1024x768 Y (Mono) 8bit/pixel			57.47%	28.74%	14.37%	7.18%	3.59%	1.80%
Mode_6	800x600 Y(Mono16) 16bit/pixel			74.84%	37.42%	18.71%	9.35%	4.68%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				57.47%	28.74%	14.37%	7.18%	3.59%

Format_1: S800 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	21	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	21		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	6	13	27
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	18
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	6	13	27	55
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	21	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	6	13	27

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				47.90%	23.95%	11.97%	5.99%
Mode_1	1280x960 RGB 24bit/pixel				71.84%	35.92%	17.96%	8.98%
Mode_2	1280x960 Y (Mono) 8bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				74.84%	37.42%	18.71%	9.35%
Mode_4	1600x1200 RGB 24bit/pixel					56.13%	28.06%	14.03%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			74.84%	37.42%	18.71%	9.35%	4.68%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				47.90%	23.95%	11.97%	5.99%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				74.84%	37.42%	18.71%	9.35%

Format_2: S800 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	16
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	16	33
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	21
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	16
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 88% = 5406 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	17.76%	8.88%	4.44%	2.22%	1.11%	0.55%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%	0.37%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		71.03%	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_4	640x480 RGB 24bit/pixel			71.03%	35.52%	17.76%	8.88%	4.44%	2.22%
Mode_5	640x480 Y(Mono) 8bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%
Mode_6	640x480 Y(Mono16) 16bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	22	45	90	180		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	16	33	67	135	270
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	22	45	90
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	16	33	67
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	22	45
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	16	33	67	135
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	16	33	67
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			73.99%	37.00%	18.50%	9.25%	4.62%	
Mode_1	800x600 RGB 24bit/pixel				55.49%	27.75%	13.87%		
Mode_2	800x600 Y (Mono) 8bit/pixel		73.99%	37.00%	18.50%	9.25%	4.62%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				56.83%	28.41%	14.21%	7.10%	3.55%
Mode_4	1024x768 RGB 24bit/pixel					42.62%	21.31%	10.65%	5.33%
Mode_5	1024x768 Y (Mono) 8bit/pixel			56.83%	28.41%	14.21%	7.10%	3.55%	1.78%
Mode_6	800x600 Y(Mono16) 16bit/pixel			73.99%	37.00%	18.50%	9.25%	4.62%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				56.83%	28.41%	14.21%	7.10%	3.55%

Format_1: S800 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	21	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	21		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	7	14	28
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	18
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	7	14	28	56
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	21	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	7	14	28

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				47.35%	23.68%	11.84%	5.92%
Mode_1	1280x960 RGB 24bit/pixel				71.03%	35.52%	17.76%	8.88%
Mode_2	1280x960 Y (Mono) 8bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				73.99%	37.00%	18.50%	9.25%
Mode_4	1600x1200 RGB 24bit/pixel					55.49%	27.75%	13.87%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			73.99%	37.00%	18.50%	9.25%	4.62%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				47.35%	23.68%	11.84%	5.92%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				73.99%	37.00%	18.50%	9.25%

Format_2: S800 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	16
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	16	33
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	21
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	16
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 89% = 5468 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	17.56%	8.78%	4.39%	2.19%	1.10%	0.55%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%	0.37%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		70.23%	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_4	640x480 RGB 24bit/pixel			70.23%	35.11%	17.56%	8.78%	4.39%	2.19%
Mode_5	640x480 Y(Mono) 8bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%
Mode_6	640x480 Y(Mono16) 16bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	22	45	91	182		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	68	136	273
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	22	45	91
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	17	34	68
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	22	45
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	17	34	68	136
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	17	34	68
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			73.15%	36.58%	18.29%	9.14%	4.57%	
Mode_1	800x600 RGB 24bit/pixel				54.86%	27.43%	13.72%		
Mode_2	800x600 Y (Mono) 8bit/pixel		73.15%	36.58%	18.29%	9.14%	4.57%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				56.18%	28.09%	14.05%	7.02%	3.51%
Mode_4	1024x768 RGB 24bit/pixel					42.14%	21.07%	10.53%	5.27%
Mode_5	1024x768 Y (Mono) 8bit/pixel			56.18%	28.09%	14.05%	7.02%	3.51%	1.76%
Mode_6	800x600 Y(Mono16) 16bit/pixel			73.15%	36.58%	18.29%	9.14%	4.57%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				56.18%	28.09%	14.05%	7.02%	3.51%

Format_1: S800 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	10	21	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	10	21		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	7	14	28
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	18
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	7	14	28	56
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	10	21	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	7	14	28

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				46.82%	23.41%	11.70%	5.85%
Mode_1	1280x960 RGB 24bit/pixel				70.23%	35.11%	17.56%	8.78%
Mode_2	1280x960 Y (Mono) 8bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				73.15%	36.58%	18.29%	9.14%
Mode_4	1600x1200 RGB 24bit/pixel					54.86%	27.43%	13.72%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			73.15%	36.58%	18.29%	9.14%	4.57%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				46.82%	23.41%	11.70%	5.85%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				73.15%	36.58%	18.29%	9.14%

Format_2: S800 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	17
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	17	34
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	10
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	10	21
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	17
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	10

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 90% = 5529 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	17.36%	8.68%	4.34%	2.17%	1.09%	0.54%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%	0.36%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		69.45%	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_4	640x480 RGB 24bit/pixel			69.45%	34.73%	17.36%	8.68%	4.34%	2.17%
Mode_5	640x480 Y(Mono) 8bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%
Mode_6	640x480 Y(Mono16) 16bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	23	46	92	184		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	69	138	276
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	23	46	92
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	17	34	69
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	23	46
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	17	34	69	138
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	17	34	69
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%	
Mode_1	800x600 RGB 24bit/pixel				54.26%	27.13%	13.56%		
Mode_2	800x600 Y (Mono) 8bit/pixel		72.35%	36.17%	18.09%	9.04%	4.52%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				55.56%	27.78%	13.89%	6.95%	3.47%
Mode_4	1024x768 RGB 24bit/pixel					41.67%	20.84%	10.42%	5.21%
Mode_5	1024x768 Y (Mono) 8bit/pixel			55.56%	27.78%	13.89%	6.95%	3.47%	1.74%
Mode_6	800x600 Y(Mono16) 16bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				55.56%	27.78%	13.89%	6.95%	3.47%

Format_1: S800 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				46.30%	23.15%	11.58%	5.79%
Mode_1	1280x960 RGB 24bit/pixel				69.45%	34.73%	17.36%	8.68%
Mode_2	1280x960 Y (Mono) 8bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				72.35%	36.17%	18.09%	9.04%
Mode_4	1600x1200 RGB 24bit/pixel					54.26%	27.13%	13.56%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				46.30%	23.15%	11.58%	5.79%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				72.35%	36.17%	18.09%	9.04%

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				46.30%	23.15%	11.58%	5.79%
Mode_1	1280x960 RGB 24bit/pixel				69.45%	34.73%	17.36%	8.68%
Mode_2	1280x960 Y (Mono) 8bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				72.35%	36.17%	18.09%	9.04%
Mode_4	1600x1200 RGB 24bit/pixel					54.26%	27.13%	13.56%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			72.35%	36.17%	18.09%	9.04%	4.52%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				46.30%	23.15%	11.58%	5.79%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				72.35%	36.17%	18.09%	9.04%

Format_2: S800 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	17
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	17	34
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	11
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	11	22
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	17
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	11

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 91% = 5591 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	17.17%	8.59%	4.29%	2.15%	1.07%	0.54%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%	0.36%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		68.68%	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_4	640x480 RGB 24bit/pixel			68.68%	34.34%	17.17%	8.59%	4.29%	2.15%
Mode_5	640x480 Y(Mono) 8bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%
Mode_6	640x480 Y(Mono16) 16bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	23	46	93	186		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	17	34	69	139	279
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	23	46	93
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	17	34	69
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	23	46
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	17	34	69	139
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	17	34	69
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			71.54%	35.77%	17.89%	8.94%	4.47%	
Mode_1	800x600 RGB 24bit/pixel				53.66%	26.83%	13.41%		
Mode_2	800x600 Y (Mono) 8bit/pixel		71.54%	35.77%	17.89%	8.94%	4.47%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				54.95%	27.47%	13.74%	6.87%	3.43%
Mode_4	1024x768 RGB 24bit/pixel					41.21%	20.60%	10.30%	5.15%
Mode_5	1024x768 Y (Mono) 8bit/pixel			54.95%	27.47%	13.74%	6.87%	3.43%	1.72%
Mode_6	800x600 Y(Mono16) 16bit/pixel			71.54%	35.77%	17.89%	8.94%	4.47%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				54.95%	27.47%	13.74%	6.87%	3.43%

Format_1: S800 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	11	22	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	11	22		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	7	14	29
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	19
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	7	14	29	58
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	11	22	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	7	14	29

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				45.79%	22.89%	11.45%	5.72%
Mode_1	1280x960 RGB 24bit/pixel				68.68%	34.34%	17.17%	8.59%
Mode_2	1280x960 Y (Mono) 8bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				71.54%	35.77%	17.89%	8.94%
Mode_4	1600x1200 RGB 24bit/pixel					53.66%	26.83%	13.41%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			71.54%	35.77%	17.89%	8.94%	4.47%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				45.79%	22.89%	11.45%	5.72%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				71.54%	35.77%	17.89%	8.94%

Format_2: S800 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	17
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	17	34
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	11
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	11	22
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	17
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	11

S800 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 92% = 5652 bandwidth units

Format_0: S800 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	16.99%	8.49%	4.25%	2.12%	1.06%	0.53%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%	0.35%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		67.94%	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_4	640x480 RGB 24bit/pixel			67.94%	33.97%	16.99%	8.49%	4.25%	2.12%
Mode_5	640x480 Y(Mono) 8bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%
Mode_6	640x480 Y(Mono16) 16bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_7	Reserved								

Format_0: S800 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	5	11	23	47	94	188		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel	2	4	8	17	35	70	141	282
Mode_2	640x480 YUV(4:1:1) 12bit/pixel		1	2	5	11	23	47	94
Mode_3	640x480 YUV(4:2:2) 16bit/pixel			2	4	8	17	35	70
Mode_4	640x480 RGB 24bit/pixel			1	2	5	11	23	47
Mode_5	640x480 Y(Mono) 8bit/pixel		2	4	8	17	35	70	141
Mode_6	640x480 Y(Mono16) 16bit/pixel			2	4	8	17	35	70
Mode_7	Reserved								

Format_1: S800 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			70.77%	35.39%	17.69%	8.85%	4.42%	
Mode_1	800x600 RGB 24bit/pixel				53.08%	26.54%	13.27%		
Mode_2	800x600 Y (Mono) 8bit/pixel		70.77%	35.39%	17.69%	8.85%	4.42%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				54.35%	27.18%	13.59%	6.79%	3.40%
Mode_4	1024x768 RGB 24bit/pixel					40.76%	20.38%	10.19%	5.10%
Mode_5	1024x768 Y (Mono) 8bit/pixel			54.35%	27.18%	13.59%	6.79%	3.40%	1.70%
Mode_6	800x600 Y(Mono16) 16bit/pixel			70.77%	35.39%	17.69%	8.85%	4.42%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				54.35%	27.18%	13.59%	6.79%	3.40%

Format_1: S800 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel			1	2	5	11	22	
Mode_1	800x600 RGB 24bit/pixel				1	3	7		
Mode_2	800x600 Y (Mono) 8bit/pixel		1	2	5	11	22		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel				1	3	7	14	29
Mode_4	1024x768 RGB 24bit/pixel					2	4	9	19
Mode_5	1024x768 Y (Mono) 8bit/pixel			1	3	7	14	29	58
Mode_6	800x600 Y(Mono16) 16bit/pixel			1	2	5	11	22	
Mode_7	1024x768 Y(Mono16) 16bit/pixel				1	3	7	14	29

Format_2: S800 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				45.29%	22.65%	11.32%	5.66%
Mode_1	1280x960 RGB 24bit/pixel				67.94%	33.97%	16.99%	8.49%
Mode_2	1280x960 Y (Mono) 8bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				70.77%	35.39%	17.69%	8.85%
Mode_4	1600x1200 RGB 24bit/pixel					53.08%	26.54%	13.27%
Mode_5	1600x1200 Y (Mono) 8bit/pixel			70.77%	35.39%	17.69%	8.85%	4.42%
Mode_6	1280x960 Y (Mono16) 16bit/pixel				45.29%	22.65%	11.32%	5.66%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				70.77%	35.39%	17.69%	8.85%

Format_2: S800 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel				2	4	8	17
Mode_1	1280x960 RGB 24bit/pixel				1	2	5	11
Mode_2	1280x960 Y (Mono) 8bit/pixel			2	4	8	17	35
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel				1	2	5	11
Mode_4	1600x1200 RGB 24bit/pixel					1	3	7
Mode_5	1600x1200 Y (Mono) 8bit/pixel			1	2	5	11	22
Mode_6	1280x960 Y (Mono16) 16bit/pixel				2	4	8	17
Mode_7	1600x1200 Y (Mono16) 16bit/pixel				1	2	5	11

Reference Tables for IIDC Formats available in S400

Packet Size in Bytes

Format_0: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	1920	960	480	240	120	60		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2560	1280	640	320	160	80	40
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			3840	1920	960	480	240	120
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2560	1280	640	320	160
Mode_4	640x480 RGB 24bit/pixel				3840	1920	960	480	240
Mode_5	640x480 Y(Mono) 8bit/pixel			2560	1280	640	320	160	80
Mode_6	640x480 Y(Mono16) 16bit/pixel				2560	1280	640	320	160
Mode_7	Reserved								

Format_1: Packet Size in Bytes

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				4000	2000	1000	500	
Mode_1	800x600 RGB 24bit/pixel					3000	1500		
Mode_2	800x600 Y (Mono) 8bit/pixel			4000	2000	1000	500		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					3072	1536	768	384
Mode_4	1024x768 RGB 24bit/pixel						2304	1152	576
Mode_5	1024x768 Y (Mono) 8bit/pixel				3072	1536	768	384	192
Mode_6	800x600 Y(Mono16) 16bit/pixel				4000	2000	1000	500	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					3072	1536	768	384

Format_2: Packet Size in Bytes

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2560	1280	640
Mode_1	1280x960 RGB 24bit/pixel					3840	1920	960
Mode_2	1280x960 Y (Mono) 8bit/pixel				2560	1280	640	320
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					4000	2000	1000
Mode_4	1600x1200 RGB 24bit/pixel						3000	1500
Mode_5	1600x1200 Y (Mono) 8bit/pixel				4000	2000	1000	500
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2560	1280	640
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					4000	2000	1000

Bandwidth Allocation Units for S400

Format_0: Bandwidth Allocation Units for S400

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	1920	960	480	240	120	60		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2560	1280	640	320	160	80	40
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			3840	1920	960	480	240	120
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2560	1280	640	320	160
Mode_4	640x480 RGB 24bit/pixel				3840	1920	960	480	240
Mode_5	640x480 Y(Mono) 8bit/pixel			2560	1280	640	320	160	80
Mode_6	640x480 Y(Mono16) 16bit/pixel				2560	1280	640	320	160
Mode_7	Reserved								

Format_1: Bandwidth Allocation Units for S400

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				4000	2000	1000	500	
Mode_1	800x600 RGB 24bit/pixel					3000	1500		
Mode_2	800x600 Y (Mono) 8bit/pixel			4000	2000	1000	500		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					3072	1536	768	384
Mode_4	1024x768 RGB 24bit/pixel						2304	1152	576
Mode_5	1024x768 Y (Mono) 8bit/pixel				3072	1536	768	384	192
Mode_6	800x600 Y(Mono16) 16bit/pixel				4000	2000	1000	500	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					3072	1536	768	384

Format_2: Bandwidth Allocation Units for S400

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2560	1280	640
Mode_1	1280x960 RGB 24bit/pixel					3840	1920	960
Mode_2	1280x960 Y (Mono) 8bit/pixel				2560	1280	640	320
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					4000	2000	1000
Mode_4	1600x1200 RGB 24bit/pixel						3000	1500
Mode_5	1600x1200 Y (Mono) 8bit/pixel				4000	2000	1000	500
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2560	1280	640
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					4000	2000	1000

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 80% = 4915 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	39.06%	19.53%	9.77%	4.88%	2.44%	1.22%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		52.09%	26.04%	13.02%	6.51%	3.26%	1.63%	0.81%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			78.13%	39.06%	19.53%	9.77%	4.88%	2.44%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				52.09%	26.04%	13.02%	6.51%	3.26%
Mode_4	640x480 RGB 24bit/pixel				78.13%	39.06%	19.53%	9.77%	4.88%
Mode_5	640x480 Y(Mono) 8bit/pixel			52.09%	26.04%	13.02%	6.51%	3.26%	1.63%
Mode_6	640x480 Y(Mono16) 16bit/pixel				52.09%	26.04%	13.02%	6.51%	3.26%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	20	40	81		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		1	3	7	15	30	61	122
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	20	40
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				1	3	7	15	30
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	20
Mode_5	640x480 Y(Mono) 8bit/pixel			1	3	7	15	30	61
Mode_6	640x480 Y(Mono16) 16bit/pixel				1	3	7	15	30
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				81.38%	40.69%	20.35%	10.17%	
Mode_1	800x600 RGB 24bit/pixel					61.04%	30.52%		
Mode_2	800x600 Y (Mono) 8bit/pixel			81.38%	40.69%	20.35%	10.17%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					62.50%	31.25%	15.63%	7.81%
Mode_4	1024x768 RGB 24bit/pixel						46.88%	23.44%	11.72%
Mode_5	1024x768 Y (Mono) 8bit/pixel				62.50%	31.25%	15.63%	7.81%	3.91%
Mode_6	800x600 Y(Mono16) 16bit/pixel				81.38%	40.69%	20.35%	10.17%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					62.50%	31.25%	15.63%	7.81%

Format_1: S400 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	4	9	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	4	9		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	12
Mode_4	1024x768 RGB 24bit/pixel						2	4	8
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	12	25
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	4	9	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	12

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					52.09%	26.04%	13.02%
Mode_1	1280x960 RGB 24bit/pixel					78.13%	39.06%	19.53%
Mode_2	1280x960 Y (Mono) 8bit/pixel				52.09%	26.04%	13.02%	6.51%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					81.38%	40.69%	20.35%
Mode_4	1600x1200 RGB 24bit/pixel						61.04%	30.52%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				81.38%	40.69%	20.35%	10.17%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					52.09%	26.04%	13.02%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					81.38%	40.69%	20.35%

Format_2: S400 Max. Cameras (Baseline 80% - 4915 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					1	3	7
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				1	3	7	15
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	4
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	4	9
Mode_6	1280x960 Y (Mono16) 16bit/pixel					1	3	7
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	4

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 81% = 4976 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	38.59%	19.29%	9.65%	4.82%	2.41%	1.21%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		51.45%	25.72%	12.86%	6.43%	3.22%	1.61%	0.80%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			77.17%	38.59%	19.29%	9.65%	4.82%	2.41%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				51.45%	25.72%	12.86%	6.43%	3.22%
Mode_4	640x480 RGB 24bit/pixel				77.17%	38.59%	19.29%	9.65%	4.82%
Mode_5	640x480 Y(Mono) 8bit/pixel			51.45%	25.72%	12.86%	6.43%	3.22%	1.61%
Mode_6	640x480 Y(Mono16) 16bit/pixel				51.45%	25.72%	12.86%	6.43%	3.22%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	20	41	82		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62	124
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	20	41
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				1	3	7	15	31
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	20
Mode_5	640x480 Y(Mono) 8bit/pixel			1	3	7	15	31	62
Mode_6	640x480 Y(Mono16) 16bit/pixel				1	3	7	15	31
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				80.39%	40.19%	20.10%	10.05%	
Mode_1	800x600 RGB 24bit/pixel					60.29%	30.14%		
Mode_2	800x600 Y (Mono) 8bit/pixel			80.39%	40.19%	20.10%	10.05%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					61.74%	30.87%	15.43%	7.72%
Mode_4	1024x768 RGB 24bit/pixel						46.30%	23.15%	11.58%
Mode_5	1024x768 Y (Mono) 8bit/pixel				61.74%	30.87%	15.43%	7.72%	3.86%
Mode_6	800x600 Y(Mono16) 16bit/pixel				80.39%	40.19%	20.10%	10.05%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					61.74%	30.87%	15.43%	7.72%

Format_1: S400 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	4	9	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	4	9		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	12
Mode_4	1024x768 RGB 24bit/pixel						2	4	8
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	12	25
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	4	9	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	12

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					51.45%	25.72%	12.86%
Mode_1	1280x960 RGB 24bit/pixel					77.17%	38.59%	19.29%
Mode_2	1280x960 Y (Mono) 8bit/pixel				51.45%	25.72%	12.86%	6.43%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					80.39%	40.19%	20.10%
Mode_4	1600x1200 RGB 24bit/pixel						60.29%	30.14%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				80.39%	40.19%	20.10%	10.05%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					51.45%	25.72%	12.86%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					80.39%	40.19%	20.10%

Format_2: S400 Max. Cameras (Baseline 81% - 4976 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					1	3	7
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				1	3	7	15
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	4
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	4	9
Mode_6	1280x960 Y (Mono16) 16bit/pixel					1	3	7
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	4

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 82% = 5038 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	38.11%	19.06%	9.53%	4.76%	2.38%	1.19%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		50.81%	25.41%	12.70%	6.35%	3.18%	1.59%	0.79%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			76.22%	38.11%	19.06%	9.53%	4.76%	2.38%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				50.81%	25.41%	12.70%	6.35%	3.18%
Mode_4	640x480 RGB 24bit/pixel				76.22%	38.11%	19.06%	9.53%	4.76%
Mode_5	640x480 Y(Mono) 8bit/pixel			50.81%	25.41%	12.70%	6.35%	3.18%	1.59%
Mode_6	640x480 Y(Mono16) 16bit/pixel				50.81%	25.41%	12.70%	6.35%	3.18%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	20	41	83		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	62	125
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	20	41
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				1	3	7	15	31
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	20
Mode_5	640x480 Y(Mono) 8bit/pixel			1	3	7	15	31	62
Mode_6	640x480 Y(Mono16) 16bit/pixel				1	3	7	15	31
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				79.40%	39.70%	19.85%	9.92%	
Mode_1	800x600 RGB 24bit/pixel					59.55%	29.77%		
Mode_2	800x600 Y (Mono) 8bit/pixel			79.40%	39.70%	19.85%	9.92%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					60.98%	30.49%	15.24%	7.62%
Mode_4	1024x768 RGB 24bit/pixel						45.73%	22.87%	11.43%
Mode_5	1024x768 Y (Mono) 8bit/pixel				60.98%	30.49%	15.24%	7.62%	3.81%
Mode_6	800x600 Y(Mono16) 16bit/pixel				79.40%	39.70%	19.85%	9.92%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					60.98%	30.49%	15.24%	7.62%

Format_1: S400 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	8
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	26
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					50.81%	25.41%	12.70%
Mode_1	1280x960 RGB 24bit/pixel					76.22%	38.11%	19.06%
Mode_2	1280x960 Y (Mono) 8bit/pixel				50.81%	25.41%	12.70%	6.35%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					79.40%	39.70%	19.85%
Mode_4	1600x1200 RGB 24bit/pixel						59.55%	29.77%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				79.40%	39.70%	19.85%	9.92%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					50.81%	25.41%	12.70%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					79.40%	39.70%	19.85%

Format_2: S400 Max. Cameras (Baseline 82% - 5038 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					1	3	7
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				1	3	7	15
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					1	3	7
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 83% = 5099 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	37.65%	18.83%	9.41%	4.71%	2.35%	1.18%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		50.21%	25.10%	12.55%	6.28%	3.14%	1.57%	0.78%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			75.31%	37.65%	18.83%	9.41%	4.71%	2.35%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				50.21%	25.10%	12.55%	6.28%	3.14%
Mode_4	640x480 RGB 24bit/pixel				75.31%	37.65%	18.83%	9.41%	4.71%
Mode_5	640x480 Y(Mono) 8bit/pixel			50.21%	25.10%	12.55%	6.28%	3.14%	1.57%
Mode_6	640x480 Y(Mono16) 16bit/pixel				50.21%	25.10%	12.55%	6.28%	3.14%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	21	42	84		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		1	3	7	15	31	63	127
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	21	42
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				1	3	7	15	31
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	21
Mode_5	640x480 Y(Mono) 8bit/pixel			1	3	7	15	31	63
Mode_6	640x480 Y(Mono16) 16bit/pixel				1	3	7	15	31
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				78.45%	39.22%	19.61%	9.81%	
Mode_1	800x600 RGB 24bit/pixel					58.84%	29.42%		
Mode_2	800x600 Y (Mono) 8bit/pixel			78.45%	39.22%	19.61%	9.81%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					60.25%	30.12%	15.06%	7.53%
Mode_4	1024x768 RGB 24bit/pixel						45.19%	22.59%	11.30%
Mode_5	1024x768 Y (Mono) 8bit/pixel				60.25%	30.12%	15.06%	7.53%	3.77%
Mode_6	800x600 Y(Mono16) 16bit/pixel				78.45%	39.22%	19.61%	9.81%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					60.25%	30.12%	15.06%	7.53%

Format_1: S400 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	8
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	26
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					50.21%	25.10%	12.55%
Mode_1	1280x960 RGB 24bit/pixel					75.31%	37.65%	18.83%
Mode_2	1280x960 Y (Mono) 8bit/pixel				50.21%	25.10%	12.55%	6.28%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					78.45%	39.22%	19.61%
Mode_4	1600x1200 RGB 24bit/pixel						58.84%	29.42%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				78.45%	39.22%	19.61%	9.81%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					50.21%	25.10%	12.55%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					78.45%	39.22%	19.61%

Format_2: S400 Max. Cameras (Baseline 83% - 5099 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					1	3	7
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				1	3	7	15
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					1	3	7
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 84% = 5160 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	37.21%	18.60%	9.30%	4.65%	2.33%	1.16%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		49.61%	24.81%	12.40%	6.20%	3.10%	1.55%	0.78%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			74.42%	37.21%	18.60%	9.30%	4.65%	2.33%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				49.61%	24.81%	12.40%	6.20%	3.10%
Mode_4	640x480 RGB 24bit/pixel				74.42%	37.21%	18.60%	9.30%	4.65%
Mode_5	640x480 Y(Mono) 8bit/pixel			49.61%	24.81%	12.40%	6.20%	3.10%	1.55%
Mode_6	640x480 Y(Mono16) 16bit/pixel				49.61%	24.81%	12.40%	6.20%	3.10%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	21	43	86		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	64	129
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	21	43
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	16	32
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	21
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	16	32	64
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	16	32
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				77.52%	38.76%	19.38%	9.69%	
Mode_1	800x600 RGB 24bit/pixel					58.14%	29.07%		
Mode_2	800x600 Y (Mono) 8bit/pixel			77.52%	38.76%	19.38%	9.69%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					59.53%	29.77%	14.88%	7.44%
Mode_4	1024x768 RGB 24bit/pixel						44.65%	22.33%	11.16%
Mode_5	1024x768 Y (Mono) 8bit/pixel				59.53%	29.77%	14.88%	7.44%	3.72%
Mode_6	800x600 Y(Mono16) 16bit/pixel				77.52%	38.76%	19.38%	9.69%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					59.53%	29.77%	14.88%	7.44%

Format_1: S400 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	8
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	26
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					49.61%	24.81%	12.40%
Mode_1	1280x960 RGB 24bit/pixel					74.42%	37.21%	18.60%
Mode_2	1280x960 Y (Mono) 8bit/pixel				49.61%	24.81%	12.40%	6.20%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					77.52%	38.76%	19.38%
Mode_4	1600x1200 RGB 24bit/pixel						58.14%	29.07%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				77.52%	38.76%	19.38%	9.69%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					49.61%	24.81%	12.40%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					77.52%	38.76%	19.38%

Format_2: S400 Max. Cameras (Baseline 84% = 5160 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	16
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 85% = 5222 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	36.77%	18.38%	9.19%	4.60%	2.30%	1.15%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		49.02%	24.51%	12.26%	6.13%	3.06%	1.53%	0.77%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			73.54%	36.77%	18.38%	9.19%	4.60%	2.30%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				49.02%	24.51%	12.26%	6.13%	3.06%
Mode_4	640x480 RGB 24bit/pixel				73.54%	36.77%	18.38%	9.19%	4.60%
Mode_5	640x480 Y(Mono) 8bit/pixel			49.02%	24.51%	12.26%	6.13%	3.06%	1.53%
Mode_6	640x480 Y(Mono16) 16bit/pixel				49.02%	24.51%	12.26%	6.13%	3.06%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	10	21	43	87		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	16	32	65	130
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	10	21	43
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	16	32
Mode_4	640x480 RGB 24bit/pixel				1	2	5	10	21
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	16	32	65
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	16	32
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				76.60%	38.30%	19.15%	9.57%	
Mode_1	800x600 RGB 24bit/pixel					57.45%	28.72%		
Mode_2	800x600 Y (Mono) 8bit/pixel			76.60%	38.30%	19.15%	9.57%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					58.83%	29.41%	14.71%	7.35%
Mode_4	1024x768 RGB 24bit/pixel						44.12%	22.06%	11.03%
Mode_5	1024x768 Y (Mono) 8bit/pixel				58.83%	29.41%	14.71%	7.35%	3.68%
Mode_6	800x600 Y(Mono16) 16bit/pixel				76.60%	38.30%	19.15%	9.57%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					58.83%	29.41%	14.71%	7.35%

Format_1: S400 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	27
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					49.02%	24.51%	12.26%
Mode_1	1280x960 RGB 24bit/pixel					73.54%	36.77%	18.38%
Mode_2	1280x960 Y (Mono) 8bit/pixel				49.02%	24.51%	12.26%	6.13%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					76.60%	38.30%	19.15%
Mode_4	1600x1200 RGB 24bit/pixel						57.45%	28.72%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				76.60%	38.30%	19.15%	9.57%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					49.02%	24.51%	12.26%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					76.60%	38.30%	19.15%

Format_2: S400 Max. Cameras (Baseline 85% = 5222 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	16
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 86% = 5283 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	36.34%	18.17%	9.09%	4.54%	2.27%	1.14%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		48.46%	24.23%	12.11%	6.06%	3.03%	1.51%	0.76%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			72.69%	36.34%	18.17%	9.09%	4.54%	2.27%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				48.46%	24.23%	12.11%	6.06%	3.03%
Mode_4	640x480 RGB 24bit/pixel				72.69%	36.34%	18.17%	9.09%	4.54%
Mode_5	640x480 Y(Mono) 8bit/pixel			48.46%	24.23%	12.11%	6.06%	3.03%	1.51%
Mode_6	640x480 Y(Mono16) 16bit/pixel				48.46%	24.23%	12.11%	6.06%	3.03%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	22	44	88		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66	132
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	22	44
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	16	33
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	22
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	16	33	66
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	16	33
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				75.71%	37.86%	18.93%	9.46%	
Mode_1	800x600 RGB 24bit/pixel					56.79%	28.39%		
Mode_2	800x600 Y (Mono) 8bit/pixel			75.71%	37.86%	18.93%	9.46%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					58.15%	29.07%	14.54%	7.27%
Mode_4	1024x768 RGB 24bit/pixel						43.61%	21.81%	10.90%
Mode_5	1024x768 Y (Mono) 8bit/pixel				58.15%	29.07%	14.54%	7.27%	3.63%
Mode_6	800x600 Y(Mono16) 16bit/pixel				75.71%	37.86%	18.93%	9.46%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					58.15%	29.07%	14.54%	7.27%

Format_1: S400 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	27
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					48.46%	24.23%	12.11%
Mode_1	1280x960 RGB 24bit/pixel					72.69%	36.34%	18.17%
Mode_2	1280x960 Y (Mono) 8bit/pixel				48.46%	24.23%	12.11%	6.06%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					75.71%	37.86%	18.93%
Mode_4	1600x1200 RGB 24bit/pixel						56.79%	28.39%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				75.71%	37.86%	18.93%	9.46%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					48.46%	24.23%	12.11%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					75.71%	37.86%	18.93%

Format_2: S400 Max. Cameras (Baseline 86% = 5283 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	16
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 87% = 5345 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	35.92%	17.96%	8.98%	4.49%	2.25%	1.12%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		47.90%	23.95%	11.97%	5.99%	2.99%	1.50%	0.75%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			71.84%	35.92%	17.96%	8.98%	4.49%	2.25%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				47.90%	23.95%	11.97%	5.99%	2.99%
Mode_4	640x480 RGB 24bit/pixel				71.84%	35.92%	17.96%	8.98%	4.49%
Mode_5	640x480 Y(Mono) 8bit/pixel			47.90%	23.95%	11.97%	5.99%	2.99%	1.50%
Mode_6	640x480 Y(Mono16) 16bit/pixel				47.90%	23.95%	11.97%	5.99%	2.99%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	22	44	89		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	66	133
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	22	44
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	16	33
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	22
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	16	33	66
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	16	33
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				74.84%	37.42%	18.71%	9.35%	
Mode_1	800x600 RGB 24bit/pixel					56.13%	28.06%		
Mode_2	800x600 Y (Mono) 8bit/pixel			74.84%	37.42%	18.71%	9.35%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					57.47%	28.74%	14.37%	7.18%
Mode_4	1024x768 RGB 24bit/pixel						43.11%	21.55%	10.78%
Mode_5	1024x768 Y (Mono) 8bit/pixel				57.47%	28.74%	14.37%	7.18%	3.59%
Mode_6	800x600 Y(Mono16) 16bit/pixel				74.84%	37.42%	18.71%	9.35%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					57.47%	28.74%	14.37%	7.18%

Format_1: S400 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	6	13
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	6	13	27
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	6	13

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					47.90%	23.95%	11.97%
Mode_1	1280x960 RGB 24bit/pixel					71.84%	35.92%	17.96%
Mode_2	1280x960 Y (Mono) 8bit/pixel				47.90%	23.95%	11.97%	5.99%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					74.84%	37.42%	18.71%
Mode_4	1600x1200 RGB 24bit/pixel						56.13%	28.06%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				74.84%	37.42%	18.71%	9.35%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					47.90%	23.95%	11.97%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					74.84%	37.42%	18.71%

Format_2: S400 Max. Cameras (Baseline 87% = 5345 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	16
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 88% = 5406 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	35.52%	17.76%	8.88%	4.44%	2.22%	1.11%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		47.35%	23.68%	11.84%	5.92%	2.96%	1.48%	0.74%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			71.03%	35.52%	17.76%	8.88%	4.44%	2.22%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				47.35%	23.68%	11.84%	5.92%	2.96%
Mode_4	640x480 RGB 24bit/pixel				71.03%	35.52%	17.76%	8.88%	4.44%
Mode_5	640x480 Y(Mono) 8bit/pixel			47.35%	23.68%	11.84%	5.92%	2.96%	1.48%
Mode_6	640x480 Y(Mono16) 16bit/pixel				47.35%	23.68%	11.84%	5.92%	2.96%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	22	45	90		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	16	33	67	135
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	22	45
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	16	33
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	22
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	16	33	67
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	16	33
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				73.99%	37.00%	18.50%	9.25%	
Mode_1	800x600 RGB 24bit/pixel					55.49%	27.75%		
Mode_2	800x600 Y (Mono) 8bit/pixel			73.99%	37.00%	18.50%	9.25%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					56.83%	28.41%	14.21%	7.10%
Mode_4	1024x768 RGB 24bit/pixel						42.62%	21.31%	10.65%
Mode_5	1024x768 Y (Mono) 8bit/pixel				56.83%	28.41%	14.21%	7.10%	3.55%
Mode_6	800x600 Y(Mono16) 16bit/pixel				73.99%	37.00%	18.50%	9.25%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					56.83%	28.41%	14.21%	7.10%

Format_1: S400 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	7	14
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	7	14	28
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	7	14

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					47.35%	23.68%	11.84%
Mode_1	1280x960 RGB 24bit/pixel					71.03%	35.52%	17.76%
Mode_2	1280x960 Y (Mono) 8bit/pixel				47.35%	23.68%	11.84%	5.92%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					73.99%	37.00%	18.50%
Mode_4	1600x1200 RGB 24bit/pixel						55.49%	27.75%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				73.99%	37.00%	18.50%	9.25%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					47.35%	23.68%	11.84%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					73.99%	37.00%	18.50%

Format_2: S400 Max. Cameras (Baseline 88% = 5406 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	16
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 89% = 5468 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	35.11%	17.56%	8.78%	4.39%	2.19%	1.10%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		46.82%	23.41%	11.70%	5.85%	2.93%	1.46%	0.73%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			70.23%	35.11%	17.56%	8.78%	4.39%	2.19%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				46.82%	23.41%	11.70%	5.85%	2.93%
Mode_4	640x480 RGB 24bit/pixel				70.23%	35.11%	17.56%	8.78%	4.39%
Mode_5	640x480 Y(Mono) 8bit/pixel			46.82%	23.41%	11.70%	5.85%	2.93%	1.46%
Mode_6	640x480 Y(Mono16) 16bit/pixel				46.82%	23.41%	11.70%	5.85%	2.93%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	22	45	91		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	68	136
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	22	45
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	17	34
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	22
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	17	34	68
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	17	34
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				73.15%	36.58%	18.29%	9.14%	
Mode_1	800x600 RGB 24bit/pixel					54.86%	27.43%		
Mode_2	800x600 Y (Mono) 8bit/pixel			73.15%	36.58%	18.29%	9.14%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					56.18%	28.09%	14.05%	7.02%
Mode_4	1024x768 RGB 24bit/pixel						42.14%	21.07%	10.53%
Mode_5	1024x768 Y (Mono) 8bit/pixel				56.18%	28.09%	14.05%	7.02%	3.51%
Mode_6	800x600 Y(Mono16) 16bit/pixel				73.15%	36.58%	18.29%	9.14%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					56.18%	28.09%	14.05%	7.02%

Format_1: S400 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	10	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	10		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	7	14
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	7	14	28
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	10	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	7	14

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					46.82%	23.41%	11.70%
Mode_1	1280x960 RGB 24bit/pixel					70.23%	35.11%	17.56%
Mode_2	1280x960 Y (Mono) 8bit/pixel				46.82%	23.41%	11.70%	5.85%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					73.15%	36.58%	18.29%
Mode_4	1600x1200 RGB 24bit/pixel						54.86%	27.43%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				73.15%	36.58%	18.29%	9.14%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					46.82%	23.41%	11.70%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					73.15%	36.58%	18.29%

Format_2: S400 Max. Cameras (Baseline 89% = 5468 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	17
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	10
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 90% = 5529 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	34.73%	17.36%	8.68%	4.34%	2.17%	1.09%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		46.30%	23.15%	11.58%	5.79%	2.89%	1.45%	0.72%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			69.45%	34.73%	17.36%	8.68%	4.34%	2.17%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				46.30%	23.15%	11.58%	5.79%	2.89%
Mode_4	640x480 RGB 24bit/pixel				69.45%	34.73%	17.36%	8.68%	4.34%
Mode_5	640x480 Y(Mono) 8bit/pixel			46.30%	23.15%	11.58%	5.79%	2.89%	1.45%
Mode_6	640x480 Y(Mono16) 16bit/pixel				46.30%	23.15%	11.58%	5.79%	2.89%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	23	46	92		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69	138
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	23	46
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	17	34
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	23
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	17	34	69
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	17	34
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				72.35%	36.17%	18.09%	9.04%	
Mode_1	800x600 RGB 24bit/pixel					54.26%	27.13%		
Mode_2	800x600 Y (Mono) 8bit/pixel			72.35%	36.17%	18.09%	9.04%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					55.56%	27.78%	13.89%	6.95%
Mode_4	1024x768 RGB 24bit/pixel						41.67%	20.84%	10.42%
Mode_5	1024x768 Y (Mono) 8bit/pixel				55.56%	27.78%	13.89%	6.95%	3.47%
Mode_6	800x600 Y(Mono16) 16bit/pixel				72.35%	36.17%	18.09%	9.04%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					55.56%	27.78%	13.89%	6.95%

Format_1: S400 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	11	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	11		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	7	14
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	7	14	28
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	11	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	7	14

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					46.30%	23.15%	11.58%
Mode_1	1280x960 RGB 24bit/pixel					69.45%	34.73%	17.36%
Mode_2	1280x960 Y (Mono) 8bit/pixel				46.30%	23.15%	11.58%	5.79%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					72.35%	36.17%	18.09%
Mode_4	1600x1200 RGB 24bit/pixel						54.26%	27.13%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				72.35%	36.17%	18.09%	9.04%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					46.30%	23.15%	11.58%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					72.35%	36.17%	18.09%

Format_2: S400 Max. Cameras (Baseline 90% = 5529 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	17
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	11
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 91% = 5591 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	34.34%	17.17%	8.59%	4.29%	2.15%	1.07%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		45.79%	22.89%	11.45%	5.72%	2.86%	1.43%	0.72%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			68.68%	34.34%	17.17%	8.59%	4.29%	2.15%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				45.79%	22.89%	11.45%	5.72%	2.86%
Mode_4	640x480 RGB 24bit/pixel				68.68%	34.34%	17.17%	8.59%	4.29%
Mode_5	640x480 Y(Mono) 8bit/pixel			45.79%	22.89%	11.45%	5.72%	2.86%	1.43%
Mode_6	640x480 Y(Mono16) 16bit/pixel				45.79%	22.89%	11.45%	5.72%	2.86%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	23	46	93		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	17	34	69	139
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	23	46
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	17	34
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	23
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	17	34	69
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	17	34
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				71.54%	35.77%	17.89%	8.94%	
Mode_1	800x600 RGB 24bit/pixel					53.66%	26.83%		
Mode_2	800x600 Y (Mono) 8bit/pixel			71.54%	35.77%	17.89%	8.94%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					54.95%	27.47%	13.74%	6.87%
Mode_4	1024x768 RGB 24bit/pixel						41.21%	20.60%	10.30%
Mode_5	1024x768 Y (Mono) 8bit/pixel				54.95%	27.47%	13.74%	6.87%	3.43%
Mode_6	800x600 Y(Mono16) 16bit/pixel				71.54%	35.77%	17.89%	8.94%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					54.95%	27.47%	13.74%	6.87%

Format_1: S400 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	11	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	11		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	7	14
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	7	14	29
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	11	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	7	14

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					45.79%	22.89%	11.45%
Mode_1	1280x960 RGB 24bit/pixel					68.68%	34.34%	17.17%
Mode_2	1280x960 Y (Mono) 8bit/pixel				45.79%	22.89%	11.45%	5.72%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					71.54%	35.77%	17.89%
Mode_4	1600x1200 RGB 24bit/pixel						53.66%	26.83%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				71.54%	35.77%	17.89%	8.94%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					45.79%	22.89%	11.45%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					71.54%	35.77%	17.89%

Format_2: S400 Max. Cameras (Baseline 91% = 5591 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	17
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	11
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5

S400 Isochronous Bandwidth Utilization & Max. Cameras
Baseline 92% = 5652 bandwidth units

Format_0: S400 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	33.97%	16.99%	8.49%	4.25%	2.12%	1.06%		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		45.29%	22.65%	11.32%	5.66%	2.83%	1.42%	0.71%
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			67.94%	33.97%	16.99%	8.49%	4.25%	2.12%
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				45.29%	22.65%	11.32%	5.66%	2.83%
Mode_4	640x480 RGB 24bit/pixel				67.94%	33.97%	16.99%	8.49%	4.25%
Mode_5	640x480 Y(Mono) 8bit/pixel			45.29%	22.65%	11.32%	5.66%	2.83%	1.42%
Mode_6	640x480 Y(Mono16) 16bit/pixel				45.29%	22.65%	11.32%	5.66%	2.83%
Mode_7	Reserved								

Format_0: S400 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	160x120 YUV (4:4:4) 24bit/pixel	2	5	11	23	47	94		
Mode_1	320x240 YUV(4:2:2) 16bit/pixel		2	4	8	17	35	70	141
Mode_2	640x480 YUV(4:1:1) 12bit/pixel			1	2	5	11	23	47
Mode_3	640x480 YUV(4:2:2) 16bit/pixel				2	4	8	17	35
Mode_4	640x480 RGB 24bit/pixel				1	2	5	11	23
Mode_5	640x480 Y(Mono) 8bit/pixel			2	4	8	17	35	70
Mode_6	640x480 Y(Mono16) 16bit/pixel				2	4	8	17	35
Mode_7	Reserved								

Format_1: S400 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				70.77%	35.39%	17.69%	8.85%	
Mode_1	800x600 RGB 24bit/pixel					53.08%	26.54%		
Mode_2	800x600 Y (Mono) 8bit/pixel			70.77%	35.39%	17.69%	8.85%		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					54.35%	27.18%	13.59%	6.79%
Mode_4	1024x768 RGB 24bit/pixel						40.76%	20.38%	10.19%
Mode_5	1024x768 Y (Mono) 8bit/pixel				54.35%	27.18%	13.59%	6.79%	3.40%
Mode_6	800x600 Y(Mono16) 16bit/pixel				70.77%	35.39%	17.69%	8.85%	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					54.35%	27.18%	13.59%	6.79%

Format_1: S400 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	240fps	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	800x600 YUV(4:2:2) 16bit/pixel				1	2	5	11	
Mode_1	800x600 RGB 24bit/pixel					1	3		
Mode_2	800x600 Y (Mono) 8bit/pixel			1	2	5	11		
Mode_3	1024x768 YUV(4:2:2) 16bit/pixel					1	3	7	14
Mode_4	1024x768 RGB 24bit/pixel						2	4	9
Mode_5	1024x768 Y (Mono) 8bit/pixel				1	3	7	14	29
Mode_6	800x600 Y(Mono16) 16bit/pixel				1	2	5	11	
Mode_7	1024x768 Y(Mono16) 16bit/pixel					1	3	7	14

Format_2: S400 Isochronous Bandwidth Utilization (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					45.29%	22.65%	11.32%
Mode_1	1280x960 RGB 24bit/pixel					67.94%	33.97%	16.99%
Mode_2	1280x960 Y (Mono) 8bit/pixel				45.29%	22.65%	11.32%	5.66%
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					70.77%	35.39%	17.69%
Mode_4	1600x1200 RGB 24bit/pixel						53.08%	26.54%
Mode_5	1600x1200 Y (Mono) 8bit/pixel				70.77%	35.39%	17.69%	8.85%
Mode_6	1280x960 Y (Mono16) 16bit/pixel					45.29%	22.65%	11.32%
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					70.77%	35.39%	17.69%

Format_2: S400 Max. Cameras (Baseline 92% = 5652 Bandwidth Units)

Mode	Video Format	120fps	60fps	30fps	15fps	7.5fps	3.5fps	1.875fps
Mode_0	1280x960 YUV(4:2:2) 16bit/pixel					2	4	8
Mode_1	1280x960 RGB 24bit/pixel					1	2	5
Mode_2	1280x960 Y (Mono) 8bit/pixel				2	4	8	17
Mode_3	1600x1200 YUV(4:2:2) 16bit/pixel					1	2	5
Mode_4	1600x1200 RGB 24bit/pixel						1	3
Mode_5	1600x1200 Y (Mono) 8bit/pixel				1	2	5	11
Mode_6	1280x960 Y (Mono16) 16bit/pixel					2	4	8
Mode_7	1600x1200 Y (Mono16) 16bit/pixel					1	2	5