

New Video from 1394 Trade Association Describes Benefits of High Speed FireWire for Aviation, Industrial Applications

Demonstrates Industry's Most Cost-Effective Quadrupling of Bandwidth, with No New Cables, Drivers, Protocols, Connectors

San Francisco, Dec. 27, 2012 -- The 1394 Trade Association has produced a new online video that describes in detail the benefits of the latest high-speed version of IEEE1394 in aviation and industrial applications.

The new video was developed and narrated by Richard Mourn, one of the original designers of FireWire-based systems and a long time board member of the 1394 Trade Association. The video provides a comprehensive demonstration of IEEE1394 transporting video data at S1600 (1.6 Gigabits/second) using cameras from Sony and Point Grey, and measured with a FireWire bus analyzer from DAP Technologies.

In the first of the two part video, Mourn reviews the history and benefits of FireWire, focusing on its ability to provide bandwidth up to 4Gb/second using the same architecture and components that have made 1394 successful since its inception in the early 1990s. Unlike other standards, FireWire has reached the highest possible speeds without new cables, drivers, protocols and connectors, offering complete continuity in a proven, cost-effective data transfer capability over existing wires. "Because there is no need for new cables, protocols or drivers, 1394 has delivered the most cost-effective quadrupling of bandwidth ever to a broad range of advanced applications," he said.

The video illustrates a S1600 (1.6 Gigabit/second) ecosystem demonstration. Devices include two IIDC (Industrial Instrumentation DC)-compliant cameras, a pair of 1394 Open Host Controller Interfaces (OHCI) and a 1.6 Gigabit/second FireSpy bus analyzer. Applications such as robotics and machine vision can require multiple cameras providing 2.5 Kbytes of data per isochronous cycle; FireWire can handle up to 8 cameras at 1.6 Gigabit/second and up to 16 at 3.2 Gigabit/second bandwidth.

Mourn also reviews the test and measurement equipment required to assure system performance, and how 1394 works with compatible standards and specifications.

To view the video, access <http://www.youtube.com/watch?v=xVXNvXHNQTY&feature=youtu.be>

Or, visit the 1394 Trade Association website at www.1394ta.org

The 1394 Trade Association is a global organization dedicated to the advancement and enhancement of the IEEE 1394 standard. By the end of 2011, more than 2.25 billion FireWire ports had shipped on a wide range of computing, consumer electronics, industrial, storage and other systems. For more information visit www.1394ta.org

Contact:
Dick Davies
ipra@comcast.net

415 652 7515 415 652 7515 FREE