

Foresight Imaging Introduces Real-Time H.264 Compression Board for HD & Non-Standard Video

(Chelmsford, MA – June 11, 2012) Foresight Imaging introduces the AccuStream Express HD+C™ frame grabber and video streamer, a high performance PCI Express x4 board design. This new board provides real-time, high quality, and hardware-based H.264 compression. This high performance compressor provides high quality video at up to HDTV 1080p60 video at incredible data rates: from 2 Mbps to 30 Mbps!

The AccuStream Express HD+C is a single solution for acquiring video from all popular non-standard and standard video formats, including: HDMI video, DVI-D, RGBHV, YPbPr, HDTV, S-video, composite color, and monochrome video sources up to 148.5 MHz pixel rates (170 MHz without compression). This includes 1080p HDTV, 1280 x 1024, 720p, and other standard and non-standard high resolution video formats. It is specifically designed for the high speed PCIe x4 bus and delivers sustained data transfers of 750 MB per second. This is more than enough to deliver full 1080p HDTV video at 60 frames per second to disk and real-time display.

With this high speed PCIe interface and high quality HDTV video at low data rates, applications include high speed video streaming to disk with multiple boards on one standard PC. For example, flight simulation from 4-6 HDTV video sources, or surgical recording from multiple HD endoscopes and room cameras.

Also shipping are the new AccuStream Express HD 75+C and AccuStream Express SD 50+C frame grabbers and video streamers. The AccuStream Express HD 75+C provides acquisition up to 75 MHz and includes 720p HDTV and 1024 x 768 x 70 Hz. The entry-level, inexpensive AccuStream Express SD 50+C acquires from video signals up to 50 MHz and includes 480p, 576p, and 800 x 600 x 75 Hz.

All boards provide the following input connectors: HDMI-style DVI connector for HDMI video & DVI-D input; a DVI-I connector for DVI-D, RGBHV, YPbPr, & monochrome input; an S-video connector for S-video & composite color input; and an RCA connector for external trigger input.

“The AccuStream Express HD+C family of frame grabbers & video streamers provide amazing, real-time H.264 compression enabling a whole new class of applications on the ordinary personal computer. These include multi-channel flight simulation, surgical recording, remote monitoring, and HD multimedia.” said Tony Molinari, Vice President, Sales & Marketing.

Availability

AccuStream Express HD+C, AccuStream Express HD 75+C, and AccuStream Express SD 50+C are available now.

About Foresight Imaging

Foresight Imaging is a world leader in the design and marketing of high accuracy, high performance video streamers, frame grabbers, and medical imaging systems for the multimedia, military, and medical imaging markets. For further information, visit www.fi-llc.com or email info@fi-llc.com.

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