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Sensoray Introduces Model 2255 4-Channel Frame Grabber

Uncompressed video via USB ideal for endoscopic and ophthalmologic use

Tigard, OR - Sensoray announces its new Model 2255 4-channel frame grabber, which captures uncompressed frames from four National Television System Committee (NTSC) or Phase Alternation by Line (PAL) video sources and sends them over USB 2.0 to a host computer. Frames are captured simultaneously from all channels. With exceptionally low latency, the Model 2255 is especially useful in applications that require fast visual feedback, including numerous endoscopic and ophthalmologic applications.

The Model 2255 offers a high aggregate capture rate - up to 120/100 frames per second (fps) (NTSC/PAL). The maximum aggregate rate in full resolution color mode is 60/50 fps (NTSC/PAL), yielding a per-channel NTSC capture frame rate of 30 fps for 2 channels, or 15 fps for four channels. In monochrome and/or scaled down modes, all four channels can capture at full frame rate.

Output for the Model 2255 include RGB/YCrCb color spaces and packed or planar formats. Output resolutions include full, half, and quarter frame. The unique advanced deinterlacing feature eliminates motion artifacts and an available field capture mode allows lower latency display for CIF (Common Intermediate Format) resolution. The Model 2255 also features hardware timestamps, with a resolution of 1 meter per second (m/s).

Sensoray offers several free, downloadable software development kits (SDKs) that enable OEMs to quickly integrate Model 2255 units into application systems. An optional driver version is available that enables hardware JPEG compression, which facilitates JPEG capture at 30 fps on two channels, or on four channels at 15 fps.

Several mounting options are available for the Model 2255, including an OEM bare board, metal enclosure, or a PC expansion bracket. The unit can also be custom-ordered to include high density headers in place of the standard connectors.

For more information, go to <http://www.sensoray.com/products/2255.htm>.

ABOUT Sensoray

Sensoray is an industry-leading designer and manufacturer of OEM electronics for video imaging, data acquisition and machine control. The company is committed to clarity, efficiency and functionality in all of their designs, and to consistently providing customers with the highest quality solutions.

Sensoray offers drivers for Windows or Linux and live technical support, ensuring that customers' development projects are fast and easy. For more information, or to speak to an engineer regarding a custom design, visit www.sensoray.com or email support@sensoryay.com.