

FOR IMMEDIATE RELEASE

Contact: Anne Holmgreen, Marketing Manager

Phone: 503.684.8005

email: [anne@sensoray.com](mailto:anne@sensoray.com)

## High Performance 4-Channel PCI Express Frame Grabber *Simultaneously capture four channels of analog video and stereo audio*

**Tigard, OR - Sensoray** announces an addition to their extensive line of high quality, broadcast grade, low-latency and real-time video solutions. The **Model 810, PCI Express 4-Channel Frame Grabber with Audio Capture**, simultaneously captures four channels of analog NTSC/PAL video and four channels of stereo audio. It captures raw video frames from each channel at up to full frame rate, resulting in an aggregate frame capture rate of up to 120 fps for NTSC and 100 fps for PAL. The high frame capture rate, through a single-lane x1 PCI Express interface, makes it well-suited for applications that require uncompromising capturing of multi-channel video/audio sources in a PCI Express form factor, such as broadcast-grade video/audio capturing, video surveillance, law enforcement, and traffic monitoring.



Four BNC connectors are available on the board's mounting bracket for connecting external composite video sources. A DB15 connector on the same bracket is used for the audio inputs. A 34-pin header provides an alternative convenient access to all I/O signals on the board.

### **Video, Audio, and VBI support**

The unit supports a wide range of video capture resolutions, including D1, VGA, QVGA, QQVGA, SIF, 2SIF, 4SIF, CIF, QCIF, SQCIF and 4CIF. Captured frames are formatted as raw RGB or YUV. However, 3<sup>rd</sup> party and/or OSS CODEC can be used for compressed video/audio capture.

The audio can be stereo or mono, and the sampling rate supports 32kHz, 44.1kHz, and 48kHz.

Embedded data may be added to each frame during the vertical blanking interval (VBI). Since the display is inactive during this interval, it can be used to transmit time codes, closed captioning, teletext, CGMS-A copy-protection indicators, and various data encoded by the XDS protocol.

Sensoray provides an SDK for the Model 810 that includes drivers, programming examples and comprehensive documentation for both Windows and Linux operating systems.

For more information go to [www.sensoray.com/810](http://www.sensoray.com/810)

### **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 technical excellence and design innovation. Founded in 1982, Sensoray offers customers practical, reliable solutions alongside outstanding live technical support and service. Sensoray provides tools to aid rapid development and ensure customer success. For more information, or to speak to an engineer regarding a custom design, visit [www.sensoray.com](http://www.sensoray.com) or email [support@sensoray.com](mailto:support@sensoray.com).

###