

Pyramid Imaging

FOUR CHANNEL 3G-SDI VIDEO CAPTURE CARD

Capture Multiple SDI Sources



+ DESCRIPTION

Developed for capturing multiple High Definition SDI video signals, the XtremeDV-SDI4 is the perfect solution to AV professionals looking to capture from multiple SDI sources. Ideal for use in broadcast markets or with any SDI capable applications the XtremeDV-SDI4

provides four 3G-SDI inputs each capable of capturing 1920x1080p at 60 frames per second. Each capture channel is hardware timestamped allowing for larger surfaces to be captured and stitched together.



+ FEATURES

- Four independent 3G-SDI capture channels
- Four channels of 1920x1080p 60fps capture
- Eight lane PCIe Gen 3 interface,
- Frame buffer memory - 768 MB
- Single PCIe endpoint, allowing for more cards & captures to be placed within a single system.
- Full support of the Xtreme Feature set
- EMS unified Windows® and Linux® driver support

Capture the detail...

+ XTREME PERFORMANCE FEATURES

The XtremeDV-SDI4 is supported by the EMS Xtreme Performance Driver. Combining both Hardware and Software enhancements the Xtreme Performance Driver provides users with a variety of features to help them achieve their goals. Features include LiveStream:Capture, a low latency capture solution, MultiStream allowing for the independent control of multiple instances of a single capture. A hardware based timestamping facility, automatic signal detection and more.

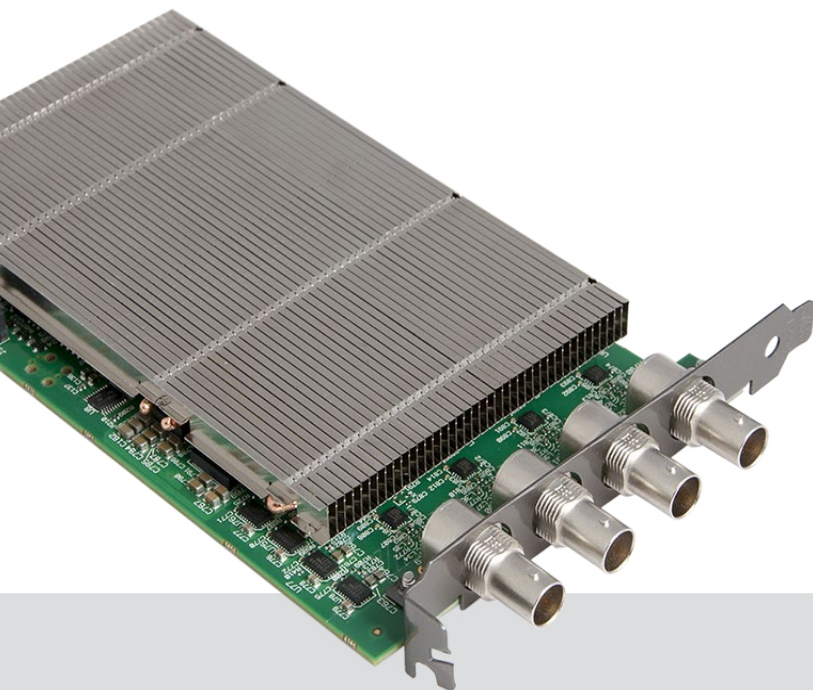
+ VIDEO STREAMING

DirectShow drivers for WDM Streaming supports the following applications, to encode, record and stream video over networks or the Internet:

- Microsoft Media Encoder®
- VLC
- VirtualDub
- Any other DirectShow encoding software

For streaming applications, the XtremeDV-SDI4 can be used with Windows Media Encoder to compress and stream captured video. To replay the video, use Windows® Media Player.

Any application compatible with Windows® DirectShow technology can use the XtremeDV-SDI4 due to the built-in WDM support.



+ SPECIFICATION

Board Format	PCIe x8 plug-in card
Dimensions	110mm x 177mm (incl heat sync)
Connectors	4 x BNC Connectors
Max Capture Resolution	2.97Gbps capture bandwidth per channel. Provides => 4 * 1920 x 1080p @ 60Hz. Frame Buffer 768MB
Input Mode Detection	Supports SMPTE - 352 Payload Identifiers
Sample Formats	RGB: 4-4-4 (+A) YUV: 4:2:2 (+A), 4:4:4 (+A)
SMPTE Standards	ST-259, ST-272, ST-274, ST-291, ST-292, ST-293, ST-296, ST-299, ST-352, ST-424, ST-425, ST-2048
Update Rate	User defined. Captured frame rate will match the source providing max data rate (2.9GB/s per channel) is not exceeded. Multi-buffered to eliminate tearing artefacts.
Video Modes	480i, 576i 720p, 1080i, 1080p, 1080psF, 2048x1080p, 2048x1080psF
Supported Frame Rates	23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz & 60Hz
Operating System Support	Windows OS® up to Win 8/8.1
Power	Max current at +3.3 - 0.45A. (TBC) Max current at +12V - 0.85A (TBC) Max power ≈ 18W (TBC)
Operating Temp	0° to 35° C / 32° to 96° F
Storage Temp	-20° to 70° C (-4° to 158° F)
Relative Humidity	5% to 90% non-condensing
Warrant	3 years

MODELS AVAILABLE

Order Code: XtremeDV-SDI4
Four channel 3G-SDI capture card

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

