

X-VIEW DPX-E XV-SDI2 Input Module



The XV-SDI2 is a dual channel PCIe HD-SDI video input module. The input module supports SD-SDI, HD-SDI and 3G-SDI (including 2K Digital Film Resolution modes).

XV-SDI2 is a PCI Express x4 plug in card which delivers extreme performance with 650MB/s transfer bus bandwidth. This industry beating performance makes the XV-SDI2 ideal for a wide range of applications including:

- Display Wall Controllers
- Broadcasting
- Machine Vision: Acquire SDI camera output
- Advanced Medical applications

Display Walls & Video Streaming

The XV-SDI2 is fully integrated with X-View DPX-E family of video wall display products providing high resolution digital video support. DirectShow Drivers for WDM streaming driver supports applications to encode, record and stream video over networks or internet.

The XV-SDI2 can automatically detect the video source into the cards inputs and provides loop through output for each input.

XV-SDI2 2 channel Video Input module Specifications

- Dual Channel PCIe (x4) 3G/HD/SD -SDI capture card
- Supports video modes up to 1080p 60Hz with loop through connections.
- Audio output for each channel to an onboard SPDIF header (use with X-View audio module)
- High quality scaling (7x5 Polyphase Filter)
- Long range, single co-ax cable support (150M @ 1080p, 300M @ SD)
- 16 Cropping windows per input channel
- Low power consumption

Card Format	PCIe x4 Plug In module, 110mm x 170mm
Video Modes	480i/576i, 1080i (HD-SDI), 1080p (3G) & 2K modes
Number of input channels	2 with loop through on BNC's
Maximum SDI bit rate	3Gb/s
Pixel transfer formats	RGB:5-5-5, 5-6-5 or 8-8-8 (24/32bit) pixels, YUV:4:2:2, Mono 8bit
Update Rate	User defined, Captured frame rate will match source providing max data rate (650MB/s) is not exceeded, multi buffered to eliminate tearing artefacts.
Max Current at 3.3V	0.45A
Max Current at 12V	0.85A (Peak)
Max Power	12 Watts
Operating Temperature	0 to 35 Deg C
Relative Humidity	5% to 90% non-condensing

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