

X-VIEW DPX-E XV-SD4+1s Input Module



The XV-SD4+1s is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-SD4+1s provides 4 SD video inputs which can be composite or Y/C format with support for PAL, SECAM and NTSC video, with full de-interlacing and real time 25/30 frames/sec display per input and 1 x DVI input that supports HD video to 1080P, VGA/RGB to 2048 x 1536 resolution.

XV-SD4+1s enables HDMI, DVI or YUV HD input to be captured in real time and displayed across the display wall in a fully scalable video window all in real time. *Note: HDMI HDCP & Audio is not supported.* XV-SD4+1s provides extreme performance with 650MB/s transfer bus bandwidth, this industry beating performance makes the XV-SD4+1s ideal for a wide variety of applications.

XV-SD4+1s 4 channel video & 1 DVI/HDMI input module Specifications

- 4 lane PCI express single slot module
- 4 x Composite Video or Y/C inputs & 1 x DVI/VGA/HDMI input
- Maximum video resolution 720 x 576 CV/Y/C, HDMI 1920 x 1080P, RGB/VGA 2048x1536
- 650MB/s data transfer with high performance DMA via system memory or direct to GPU
- On board processor for real time mode and sync detection
- Adjustments for Colour, brightness and contrast per input
- Supports capture and streaming via third party DirectShow encoders – VLC/Adobe Flash..

Card Format	PCIe x4 Plug In module
Card Size	110mm x 204mm
Connectors	1 x DVI-I and 1 x D connector for SD video inputs
Number of SD input channels	4 (PAL, NTSC, SECAM CV or Y/C)
Maximum SD input resolution	4 x 720 x 576 x 16Bit
Analog RGB mode support	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080, 2048x1536, custom modes
DVI Single Link Mode	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080,1900x1200
HD Modes	1080p,1080i,720p,576p,576i,480p,480i using a component HD to DVI adaptor, HDCP & Audio not supported
Pixel Transfer Formats	RGB: 555, 565, 888 (24bit/32bit) pixels. YUV: 422, UYVY, YUY2, YVYU
Update Rate	User defined, captured frame rate will match source rate providing maximum data rate (480MB/s) is not exceeded. Multi buffered to eliminate tearing artifacts.
Video Format Options	Analog RGB & H/V sync (5wire), RGB with composite sync (4 wire), RGB with Sync on Green (3 wire), DVI single link.
Frame Buffer Memory	64MB Triple Buffered
Max Current at 3.3V	0.25A
Max Current at 12V	1.2A (Peak)
Max Power	15 Watts
Operating Temperature	0 to 35 Deg C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

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