

X-VIEW DPX-E XV-RGBE2s Input Module



The XV-RGBE2s is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-RGBE2s provides 2 DVI video inputs which can accept VGA/DVI/HDMI HD inputs for real time display across the video wall in a fully scaled and positioned window. *Note: HDMI HDCP & Audio is not supported.*

XV-RGBE2s enables HDMI, DVI or YUV HD input to be captured in real time. Two DVI connectors provide independent inputs per module for feeding external computers and HD video sources.

XV-RGBE2s provides extreme performance with 650MB/s transfer bus bandwidth, this industry beating performance makes the XV-RGBE2s ideal for a wide variety of applications.

XV-RGBE2 2 channel DVI/VGA/HDMI input module Specifications

- 4 lane PCI express single slot module
- Component HD up to 1080p at 60 frames per second
- HDMI up to 1080p (does not support audio or HDCP)
- 650MB/s data transfer with high performance DMA via system memory or direct to GPU
- DVI up to 1920 x 1200
- VGA up to 2048 x 1536
- Supports capture and streaming via third party DirectShow encoders – VLC/Adobe Flash..

Card Format	PCIe x4 Plug In module
Card Size	110mm x 170mm
Connectors	2 x DVI-I
Maximum sample rate	170Mpixels per second analog RGB or 165 MHz DVI. Analog modes up to 340MHz pixel clock can be captured using dual pass sampling.
Video sampling	RGB 24 bits per pixel /888 format
Analog RGB mode support	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080, 2048x1536, custom modes. 0.5V -1.0V pp
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 (650MB/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
H Sync	15KHz – 110KHz
V Sync	No Hardware limits, typically 25Hz – 200Hz for real signals
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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