

X-VIEW DPX-E XV-DVI-DL Input Module



The XV-DVI-DL is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-DVI-DL provides a single input DVI Dual Link with 650MB/s transfer bandwidth, which enables a maximum canvas of 4K x 4K from a DVI input source. *Note: this card does not support analogue inputs, HDMI audio is not supported.*

XV-DVI-DL has integrated DVI equalizers on its inputs to support longer cable lengths (up to 20m).

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

XV-DVI-DL 1 channel DVI/HDMI input module Specifications

- 4 lane PCI express single slot module
- HD video capture for all progressive and interlaced DVI/HDMI modes
- Captures Quad-HD (2160p) Digital Cinema modes at 24/25/30fps
- 650MB/s data transfer with high performance DMA via system memory or direct to GPU
- 128MB on board frame buffer
- Input EQ. supporting longer input cables (20m)
- High performance DMA to system memory or direct to graphics memory with scatter gather HQ scaling.

Card Format	PCIe x4 Plug In module
Card Size	110mm x 170mm
Connectors	1 x Dual Link DVI-D connector
Maximum sample rate	330MHz DVI-D connection
Video sampling	RGB 24 bits per pixel /888 format
DVI Single Link Mode	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080,1900x1200
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	Dual-Link DVI, Single-Link DVI
Frame Buffer Memory	128MB Triple Buffered
Max Current at 3.3V	0.2A
Max Current at 12V	0.9A (Peak)
Max Power	12 Watts
Operating Temperature	0 to 35 Deg C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

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