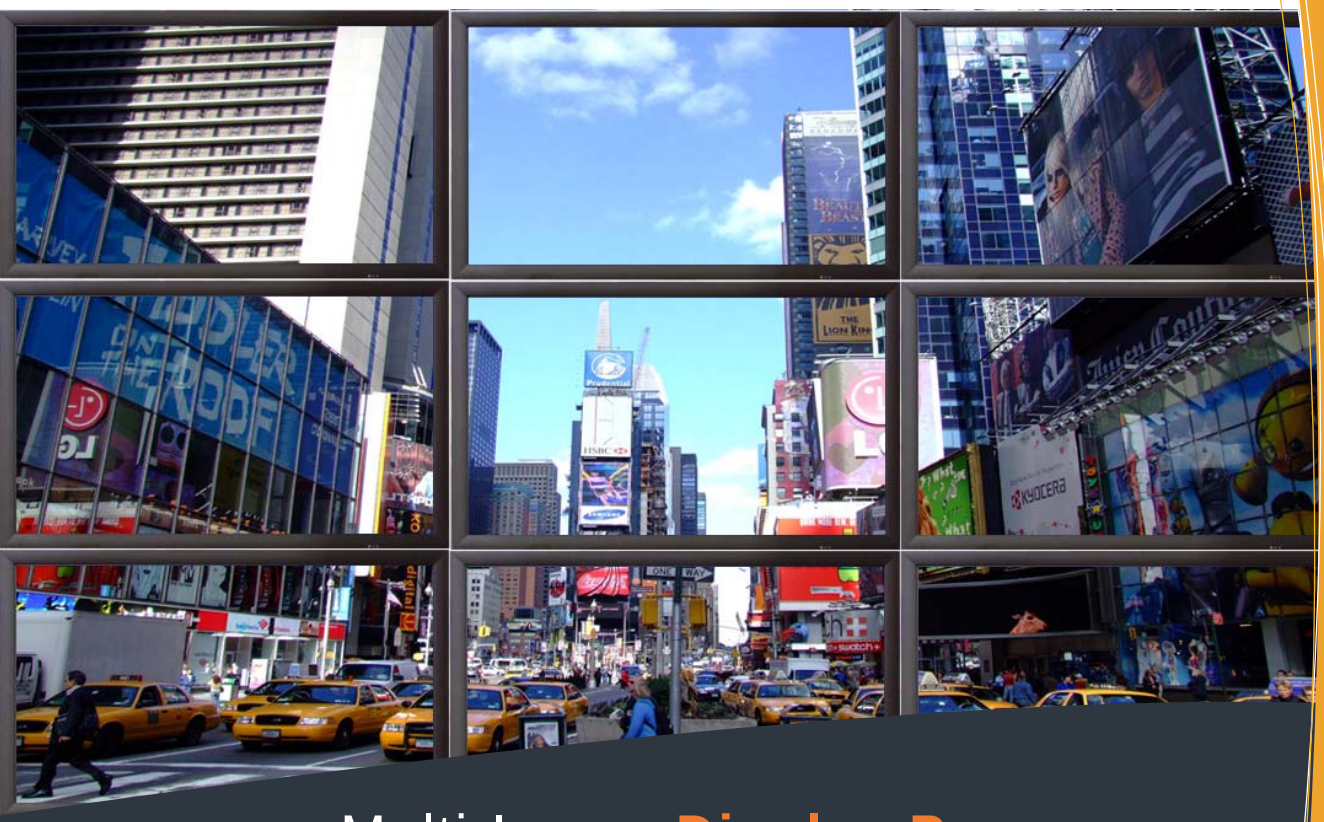
www.x-viewmedia.com



Multi-Image Display Processors

Technology at work for you

X-VIEW DPX-E DISPLAY SOLUTIONS

X-View DPX-E multi-image display processors enable real time display of multiple video, computer and IP streams on one or more display screens. X-View provides dual functionality in terms of a video wall processor and multiviewer in a single solution.

All source images can be grouped as a multi-screen display (multiviewer) or any source can be stretched across monitors (videowall). Custom layouts can be saved and recalled at a touch of a button.

X-VIEW HIGHLIGHTS

- 128 VIDEO INPUTS
- 32 COMPUTER INPUTS.
- 40 DVI/VGA/HDMI OUTPUTS.
- UNLIMTED CUSTOM LAYOUTS.
- NETWORK CONTROL.
- REAL-TIME MOUSE CONTROL.
- MODULAR SOLUTION.
- INDUSTRY STANDARD HARDWARE.
- HIGH RESOLUTION DISPLAY.
- CRYSTAL CLEAR IMAGE DISPLAY.

Simple to use

Visually captivating

MULTIFUNCTIONAL SOLUTIONS

X-View is a modular solution that enables custom configurations of inputs and outputs to suit individual system applications. X-View is easy to expand and reconfigure as requirements change in the future.

All video inputs are displayed at full frame rates and in high resolution progressive scan mode to ensure optimal image clarity.

Operator control is available using the onscreen mouse, through the wall control application, programmable keypad or via RS232 for third party systems control, ensuring total flexibility in any systems design.

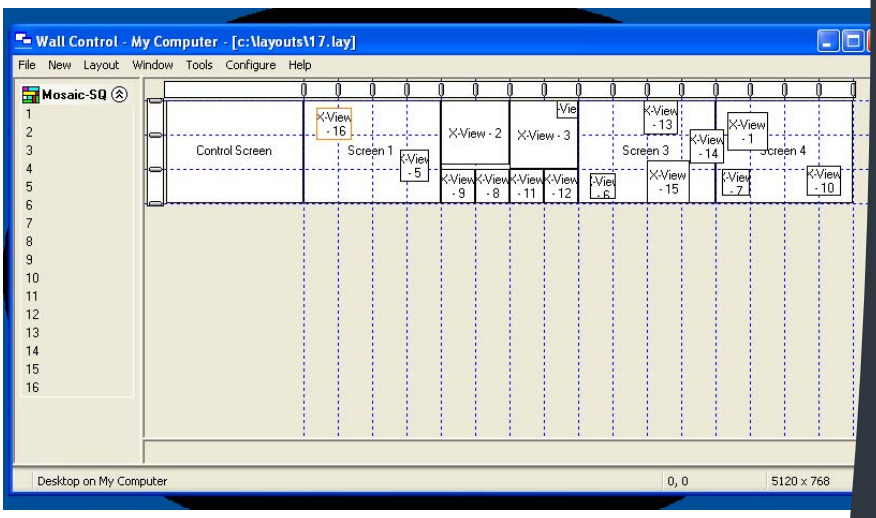
X-View display processors are an ideal solution for:

- CCTV Control Room Displays
- TV Studio Video Wall Displays
- IT / Network Operation Control Rooms
- Digital Signage Information Walls
- A/V Presentation Systems

Wall Control

X-View Wall Control application provides easy configuration, setup and real-time control of the entire video wall display and source inputs. Wall control displays the entire wall layout within its control application window. The position and size of each source input window active within the current layout can be viewed at a glance. Operators can interactively move and size the windows within the application and see changes in real time on the display outputs. Windows can be changed on the

CUSTOM LAYOUTS



Wall Control application resides on the X-View system frame, which provides a dedicated VGA output for the control screen. Users can create, save and recall custom layouts which enables the entire wall display to be reconfigured at a touch of a button. Wall Control applications interface enables easy integration with third party control systems to provide remote layout changes.

Wall Control application can also be installed on any other computers connected to the LAN to enable multiple users to have remote control of the wall display, there is no per seat license or limitations on number of users with X-View.

CUSTOM SOLUTIONS

X-View DPX-E can be customized to meet a variety of systems design and application requirements. If you should have a specific requirement for a display wall then please do contact us, we would be pleased to assist.

WEB SOLUTION

X-View DPX-E can be enabled to display real time web pages as the background wall paper. This enables the easy display of real time mapping screens and creation of hot spots that can activate layout changes or call up revenant source windows or control of other system components.

TOUCH SOLUTIONS

For information display walls and digital signage applications, a number of touch screen solutions can be integrated with X-View DPX-E to provide a simple, yet very effective control solution.

Wall Control – CCTV / IP

A special feature of the X-View DPX-E wall control application provides the ability to split VGA/DVI inputs from external DVR's / NVR's or IP decoders into separately cropped and scaled sub windows, which can then be moved and positioned anywhere on the display walls output screens.

Typically, the output of DVR's / NVR's comprises of a single output window which is a mosaic of either 4,9,12 or 16 video windows. With X-View's wall control application, you can split this single mosaic window into individual segments and move / scale these as separate windows anywhere on the display wall, just as if they were individual camera inputs.

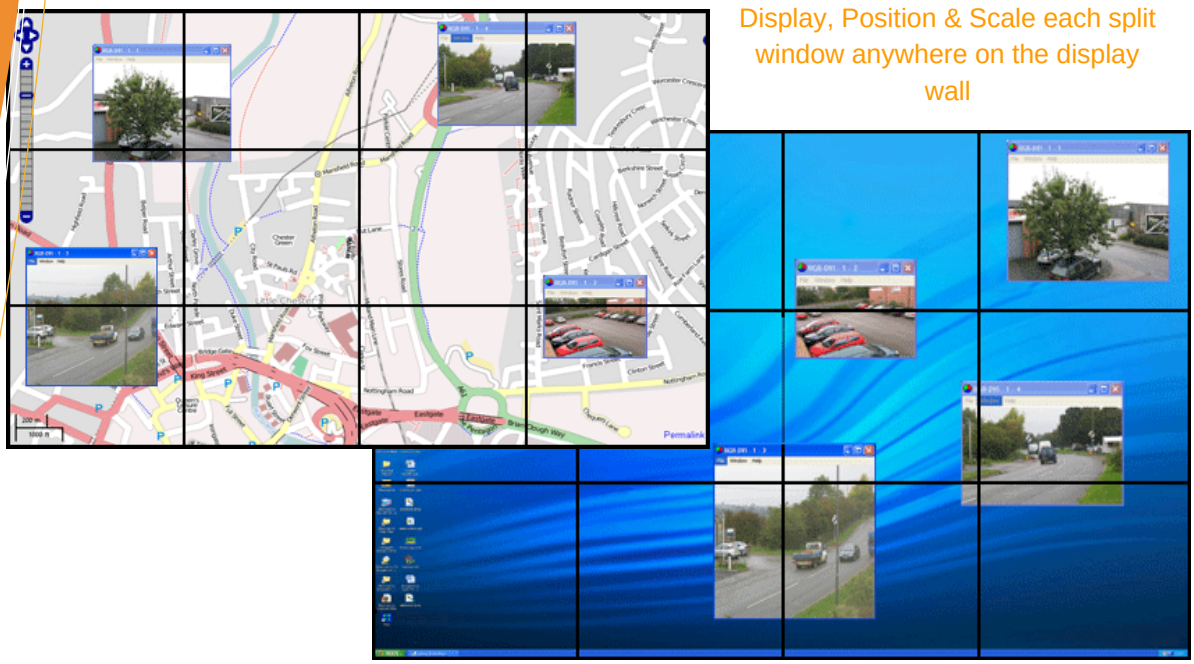
Each external DVI / VGA input can be split into a maximum of 16 separate sub windows, particularly useful in applications for monitoring CCTV / Security.

By allowing the direct access of individual video source windows via the mosaic outputs of DVR's / NVR's, X-View reduces the cost of overall system design by not requiring dedicated matrix outputs or IP decoders.

DVR/NVR output single window

Wall Control splits into 4 windows

Display, Position & Scale each split window anywhere on the display wall

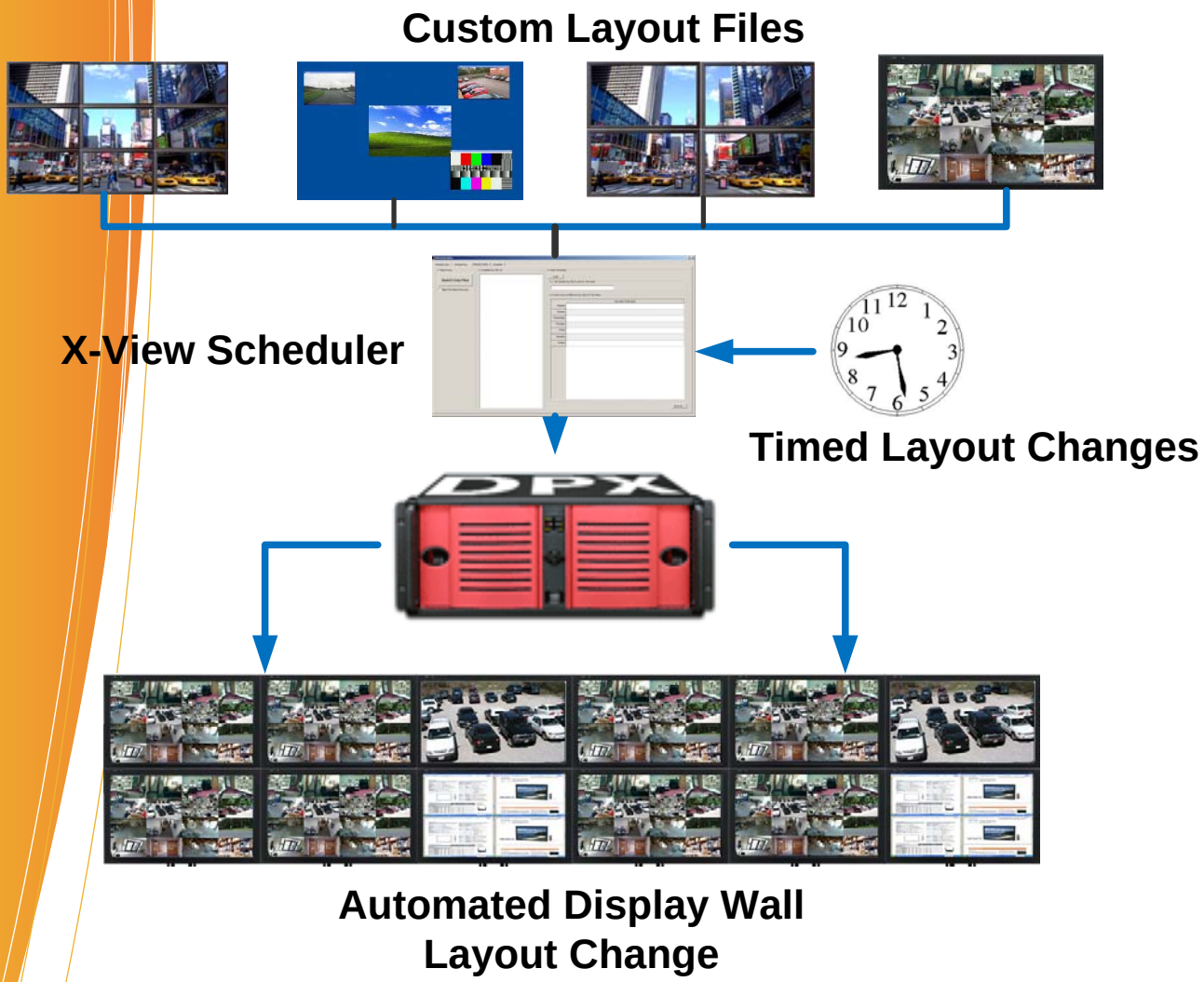


X-View Scheduler

X-View Scheduler application provides additional system functionality by allowing time and date based layout changes. The scheduler enables an Hourly, Daily and Weekly playlist to be created and loaded and when the scheduler is run the system will automatically change lay-outs at the preset times. This added functionality is useful in applications such as Information Displays, Visitor reception area displays, Digital signage systems and advertising walls.

Scheduler is suited to any applications where the displayed content needs to be rotated at certain times throughout the day or week.

X-View scheduler is easy to use and administer. The application software is installed on the X -View system frame and communicates with the X-View wall control application. The Sched-uler resides as a system tray application and runs in the background when activated.



XV-IMG4 Output Module

XV-IMG4 provides 4 high resolution display outputs per module. Outputs available include VGA, DVI or HDMI via DVI to HDMI adaptors.

XV-IMG4 provides full compatibility with X-View DPX-E input modules which provide inputs to cater for SD, HD, RGB or DVI video overlays. Video windows can be positioned anywhere on the multi-screen display.

Up to 40 display output channels (10 cards per system) can be utilized along with 128 SD video and 32 HD/RGB/DVI within a single configuration. The X-View display driver is designed to offer real time input display with maximum efficiency on system bandwidth, all outputs are vertically synchronized to ensure crisp, clean and crystal clear image display at any chosen monitor resolution.

XV-IMG4 operates under Windows Vista/XP/7 with drivers for 32 & 64Bit systems and spreads the desktop across the multi screen display. Portrait and Landscape display configurations are supported.

TECHNICAL FEATURES

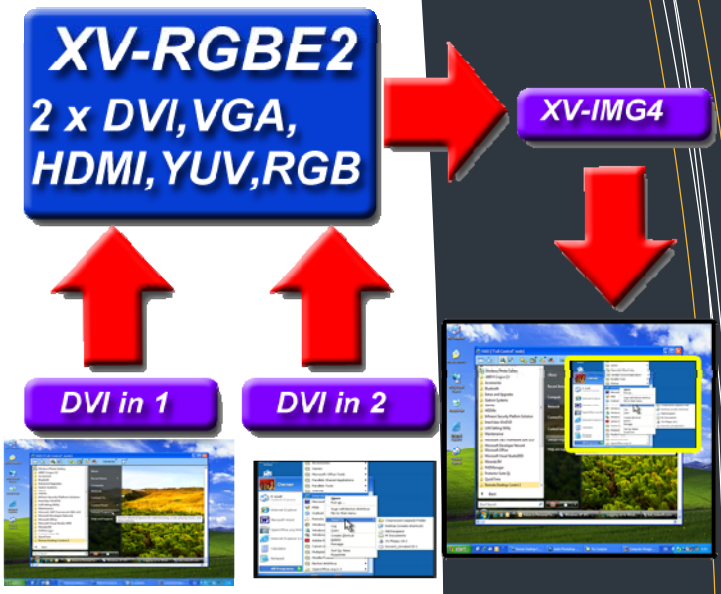
- 4 lane PCIe graphics adaptor (single slot)
- 4 Display outputs per module—VGA / DVI (depends on breakout cable ordered)
- Dual 128 bit GPU's with 2 x 256MB Frame Buffers
- Display Resolutions up to 4 x 1920 x 1200 x 32 bit
- Maximum 10 cards per system provides 40 display outputs
- Optional configuration for Dual port outputs for 2 x performance/channel
- Low power consumption and heat output

XV-RGBE2 Input Module

XV-RGBE2 provides 2 DVI video inputs which can accept VGA,DVI,HDMI HD inputs for real time display across the video display wall. Each input window can be sized and positioned as required. Note: HDMI HDCP & Audio is not supported.

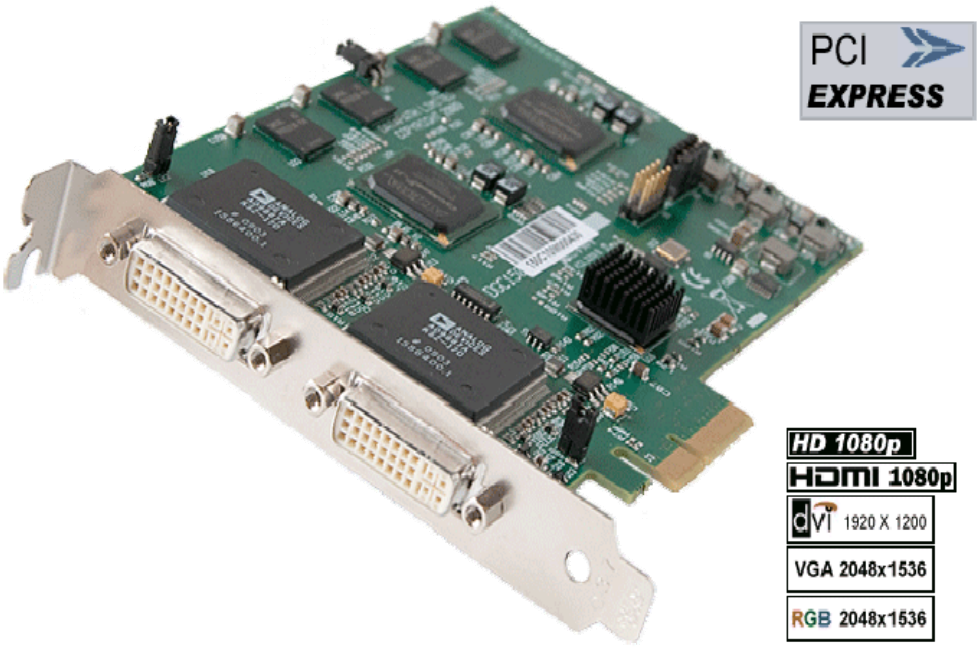
XV-RGBE2 provides 2 DVI connections per card, each input can be used with suitable adaptors for VGA & HDMI signal inputs.

XV-RGBE2 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-RGBE2 ideal



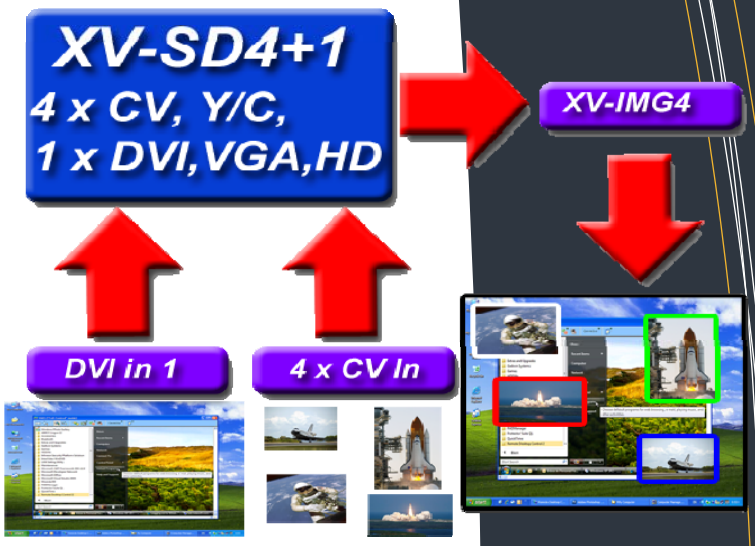
TECHNICAL FEATURES

- 4 lane PCIe graphics adaptor (single slot)
- Component HD inputs up to 1080p at 60 frames per second
- HDMI up to 1080p (does not support audio or HDCP)
- 480MB/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 & streaming via Directshow encoders—VLC/Adobe Flash



XV-SD4+1 Input Module

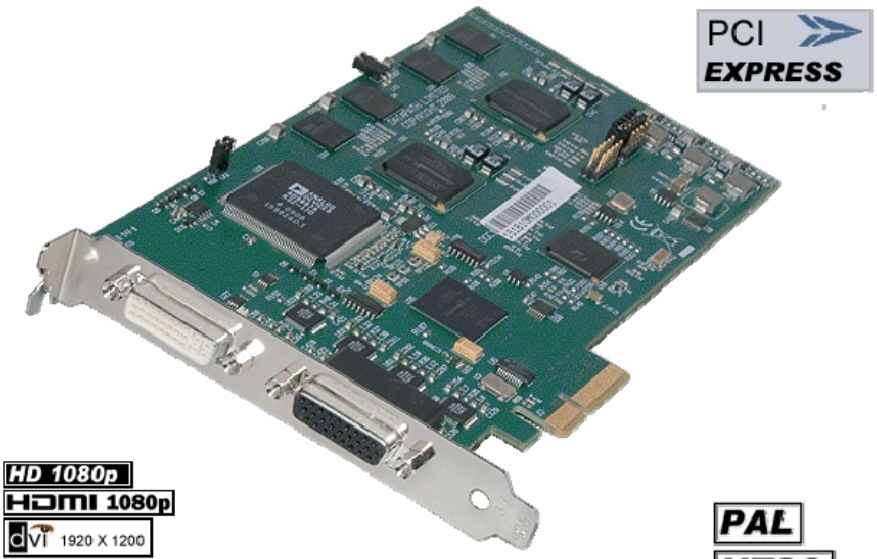
XV-SD4+1 provides 4 SD video inputs in CV or Y/C formats (PAL, SECAM, NTSC) and 1 x DVI input supporting HD video to 1080P, VGA/ RGB to 2048 x 1536 resolution. SD video is fully de-interlaced and displayed at full frame rates of 25/30 fps. XV-SD4+1 enables HDMI/ DVI/RGB/YUV/CV/Y,C to be displayed in fully scalable windows all in real time across all the wall display monitors.



XV-SD4+1 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-SD4+1 ideal for a wide variety of applications.

TECHNICAL FEATURES

- 4 lane PCIe graphics adaptor (single slot)
- 4 x Composite or Y/C video inputs & 1 x DVI/VGA/HDMI/YUV input
- SD video 720 x 576, HD video 1920 x 1080P, RGB/VGA 2048 x 1536
- Adjustments for Color, Brightness and Contrast per SD video input
- Component HD input up to 1080p at 60 frames per second
- HDMI/YUV up to 1080p (does not support audio or HDCP)
- 480MB/s data transfer with high performance DMA via system memory or direct to GPU
- Supports capture & streaming via DirectShow encoders—VLC/Adobe Flash

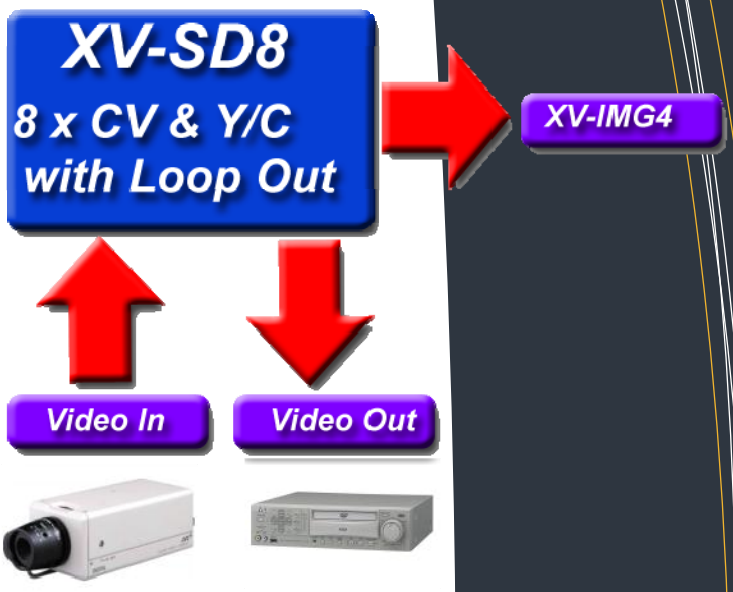


HD 1080p
HDMI 1080p
DVI 1920 X 1200
VGA 2048x1536
RGB 2048x1536

PAL
NTSC
SECAM

XV-SD8 Input Module

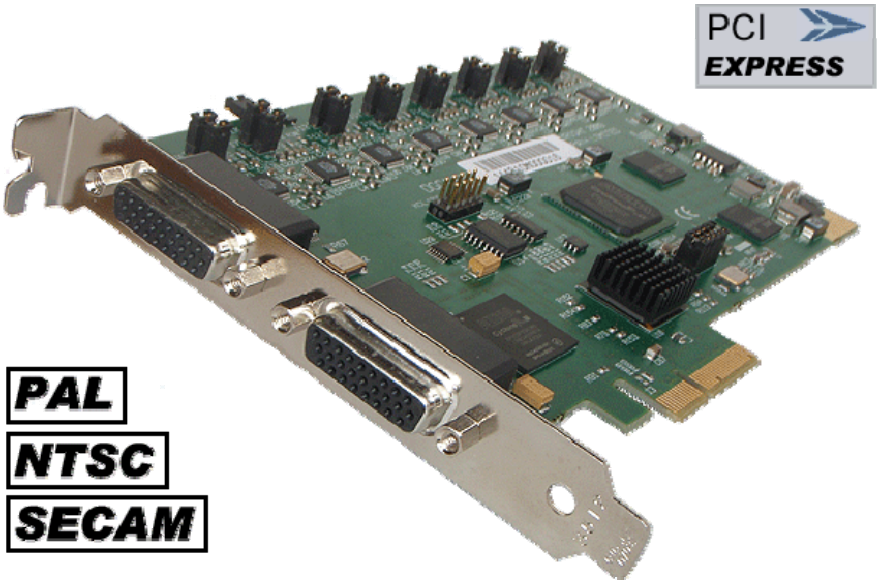
XV-SD8 provides 8 SD video inputs in CV or Y/C formats (PAL, SECAM, NTSC) with full de-interlacing and real-time 25/30 fps display per input. XV-SD8 when configured for use with composite video, on board jumper links provide signal loop thorough via secondary connector, allowing for easy signal distribution in complex configurations and eliminates requirements for extra matrix outputs.



XV-SD8 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-SD8 ideal

TECHNICAL FEATURES

- 4 lane PCIe graphics adaptor (single slot)
- 8 x Composite or Y/C video inputs
- SD video 720 x 576, full de-interlacing per input
- Adjustments for Color, Brightness and Contrast per SD video input
- On board processor for real time mode and sync detection.
- 480MB/s data transfer with high performance DMA via system memory or direct to GPU
- Supports capture & streaming via DirectShow encoders—VLC/Adobe Flash



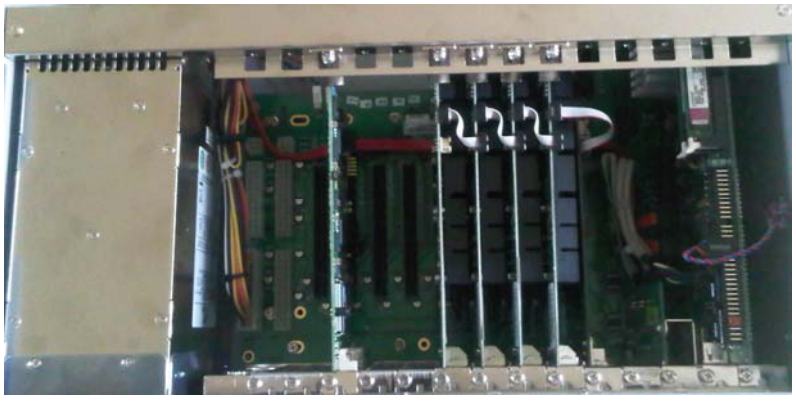
XV-DPX-E-RPSU FRAME

X-View DPX-E system chassis provide a robust platform for multi image display solutions. Each frame provides 9 slots PCI express with switch fabric and 100GB/s peak system bandwidth, dual universal (100-240V) redundant power supplies within a compact 19” 4RU frame. Single Board Computer module provides quick and easy replacement and future proofing as computing technology changes.

XV-DPX-E system chassis provides an easy means to expand the system in the future, by allowing additional system expansion frames to be added via a dedicated interlink system. The first slot in each frame is normally reserved for the expansion link.

TECHNICAL FEATURES

- 4 RU Industrial 19” rack mount solid metal chassis
- Redundant, dual module 550W Power supplies
- 9 slot PCI Express switched fabric backplane
- Single Board Computer—plug in type with Intel Quad Core
- Dedicated VGA control screen output, Keyboard & mouse.
- Windows 7 64 Bit OS
- Dual Gigabit Ethernet ports



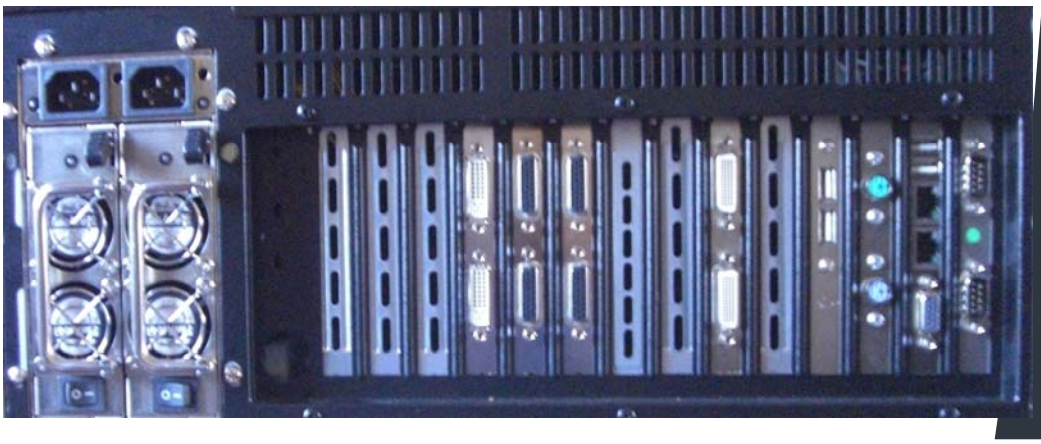
XV-DPX-EX-RPSU FRAME

X-View DPX-EX system expansion chassis provide easy expansion. Each frame provides 9 slots PCI express with switch fabric and 100GB/s peak system bandwidth, dual universal (100-240V) redundant power supplies within a compact 19” 4RU frame. Each expansion frame provides 9 free slots and the CPU-SBC slot is used by the expansion interlink.

Up to expansion chassis can be added to any one main system frame. Expansion systems can be fitted with either input or output modules as required.

TECHNICAL FEATURES

- 4 RU Industrial 19” rack mount solid metal chassis
- Redundant, dual module 550W Power supplies
- 9 slot PCI Express switched fabric backplane
- Includes expansion link and cable
- Auto power ON / OFF via main system frame.



Technical Specifications

SPECIFICATIONS	XV-IMG4
Card Format	PCIe x4 Plug In Module, 110 x 197 mm
Number of output channels per card	4
Maximum output resolution	4 x 1920 x 1200 (DVI/VGA) or 2 x 2048 x 1536 (VGA)
Maximum number of cards per system	10 (40 output displays)
Frame Buffer Memory	2 x 256MB (512MB Total)
Max Current at 3.3V	0.25A
Max Current at 12V	1.7A (Peak)
Max Power	15 Watts
Operating Temperature	0 to 35 Degrees C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

SPECIFICATIONS	XV-SD4+1
Card Format	PCIe x4 Plug In Module, 110 x 204 mm
Connectors	1 x DVI-I & 1 x D connector for SD video inputs
Number of SD input channels	4 x (PAL, NTSC, SECAM) CV or Y/C
Maximum SD input resolution	10 (40 output displays)4 x 720 x 576 x 16 Bit
Analog RGB mode support	640 x 480, 800 x 600, 1024 x 768, 1280 x 1024, 1600 x 1200 x 1920 x 1080, 1900 x 1200
HD Modes	1080p, 1080i, 720p, 576p, 576i, 480p, 480i using a component to DVI adaptor, HDCP & Audio not supported.
Pixel Transfer formats	RGB: 555, 565, 888 (24/32Bit) pixels. YUV: 422, UYUV, 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 artefacts.
Video Format Options	Analog RGB & H/V sync (5 wire), 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 Degrees C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

Technical Specifications

SPECIFICATIONS	XV-RGBE2 DVI INPUT MODULE
Card Format	PCIe x4 Plug In Module, 110 x 197 mm
Number of input channels per card	2 via DVI-I connectors
Maximum sample rate	170Mpixels p/s 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 channel / 888 format
Analog RGB mode support	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080,2048x1536, custom modes. 0.5V—1.0V p-p
DVI Single link mode support	640x480,800x600,1024x768,1280x1024,1600x1200,1920x1080,1900x120
HD Mode support	1080p,1080i,720p,576p,576i,480p,480i via YUV to DVI adaptor—HDCP & Audio not supported
Pixel Transfer formats	RGB:555,565,888 (24/32bit 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 artefacts.
Video Format Options	Analog RGB & H/V sync (5 wire), RGB with composite sync (4 Wire), RGB with Sync on Green (3 wire), DVI Single Link.
H & V Sync	15KHz—110Khz, 25Hz—200Hz
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 Degrees C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

Technical Specifications

SPECIFICATIONS	XV-SD8
Card Format	PCIe x4 Plug In Module, 110 x 170 mm
Number of Input channels per card	8 (PAL, NTSC, SECAM) CV or Y/C
Maximum Input Resolution	8 x 720 x 576 x 16Bit
Maximum number of cards per system	16 (128 inputs)
Frame Buffer Memory	32MB
Max Current at 3.3V	0.25A
Max Current at 12V	0.6A (Peak)
Max Power	8 Watts
Operating Temperature	0 to 35 Degrees C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

SPECIFICATIONS	XV-DPX-E-RPSU Frame
Chassis	4RU 19” Rack mount
Dimensions	H = 17.7cm (6.96”) x W = 48.3cm (19”) x D = 48cm (18.9”)
Packed carton dimensions	H = 28 cm (11”) x W = 54cm (21.3”) x D = 67cm (26.4”)
Weight	24Kgs / 53 pounds (approximate)
Power Supply—Redundant 2Modules	550W, Input AC 100—240V 47—63 Hz
Operating System	Windows 7 64Bit / Win XP 32Bit
CPU	Intel Quad Core 2.66GHz or better
System Memory	4GB DDR2 RAM
Backplane	XV-EX9 provides 9 slots, 1 x 8 lane & 8 x 4 lane (8 lane slot is normally reserved for expansion module)
Hard Drive	3.5” 250GB SATA2 in removable caddy
Ethernet	2 x Gigabit Ethernet Ports
Control output	VGA HD15 1024 x 768 system control output
Keyboard & Mouse	USB type provided (PS2 on request)
Cooling	Front fan, air filtered forced cooling
Optical Drive	DVD SATA drive
Operating Temperature	0 to 35 Degrees C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours

SPECIFICATIONS	XV-DPX-EX-RPSU Frame
Chassis / Weight	4RU 19” Rack mount / 24Kgs / 53 pounds (approximate)
Dimensions	H = 17.7cm (6.96”) x W = 48.3cm (19”) x D = 48cm (18.9”)
Power Supply—Redundant 2Modules	550W, Input AC 100—240V 47—63 Hz
Backplane	XV-EX9 provides 9 slots, 8 free slots
Operating Temperature / Humidity / MTBF	0 to 35 Deg. C / 5% to 90% non-condensing /100,000 Hours

Real-Time, Real world
Multi Image Display Processor
Solutions

E-mediavision Ltd, based in London, England, provides innovative multi image display solutions and systems with its award winning X-View display processors.

X-View display processors are ideal for audio visual, CCTV, IT, Broadcast control and monitoring applications.

For more information about e-mediavision and its range of products visit:

www.e-mediavision.com .

For X-View please visit

www.X-viewmedia.com

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