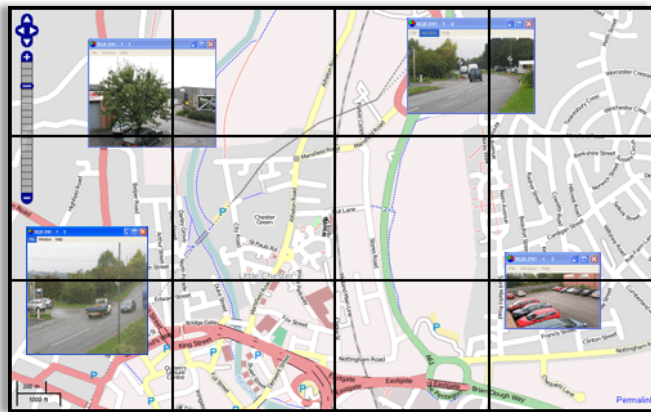




X-VIEW DPX-E Multi-Image Display



X-View DPX-E series multi-image display processors enable real time display of multiple video, computer and IP streams on one or more display screens. X-View DPX-E 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 mode) or any source can be displayed across a group of monitors (Video wall mode). Any number of custom layout patterns can be created and recalled at a click of a button.

The X-View DPX-E is a modular solution that enables a custom configuration of required inputs and outputs to suit individual system applications which can also be easily expanded or reconfigured as requirements change.

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

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

The X-View DPX-E series of multi image display processors are ideal for systems applications that require real time display and control of multiple source inputs on one or more displays.



X-View is a brand name of e-mediavision Ltd

Distributed By: Hantarex International Ltd



34 Salisbury Street
Marylebone
London NW8 8QE
Tel 020 8778 1414
www.hantarex.com

X-VIEW DPX-E Wall Control Application



X-View DPX-E series Wall Control application provides easy configuration, setup and real time control of the entire video wall display and source inputs.

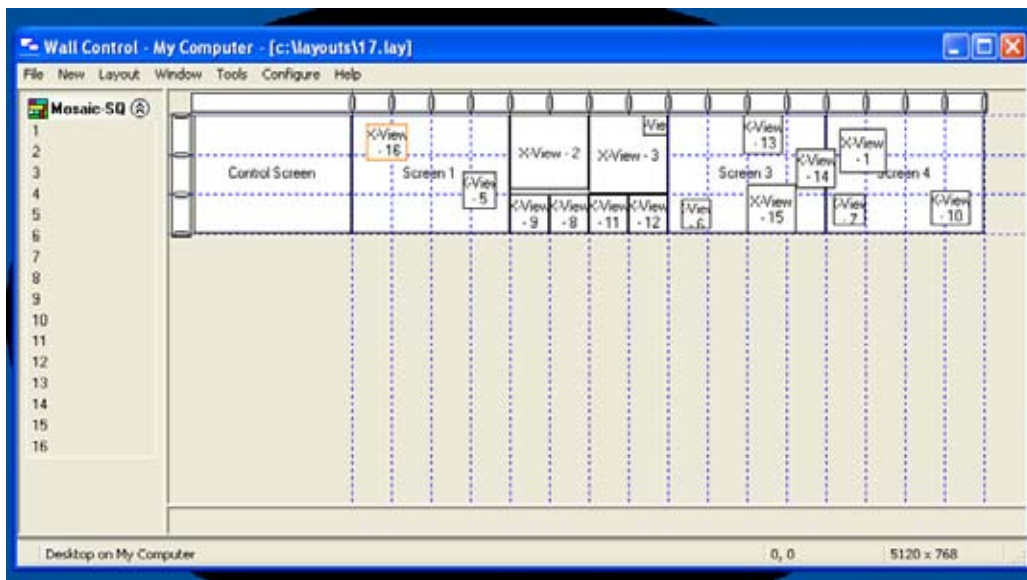
Wall control displays the entire wall layout in its local application window. The position and size of each source input window is displayed in the wall control application. Users can interactively move and size the windows within the application which adjusts the wall display in real time accordingly.

Users can also move and size source windows directly on the display wall by using the on screen mouse. Wall control application can be installed on other windows based networked PC's which allows control and monitoring from remote locations. The number of networked operators is not limited by wall control application.

Wall control application resides on the main chassis of the X-View DPX system, which also provides a separate VGA output for displaying the application on a separate control screen; it is also possible to have the wall control application displayed on the main video wall display.

Users can create, save and recall multiple custom layouts using the application; this enables the entire video wall to be easily reconfigured at a touch of a button. Wall control application along with the X-View DPX control setup allows easy control and layout changes to be made via other third party control systems.

Depending upon network resources available, wall control can also capture and display what sources are being displayed at any one time on the main wall, useful for remote site control or supervisor / secondary control locations. The Video updates within the wall control application will depend upon the network bandwidth available and in any case these will not be at 25/35 frames per second.



X-View Wall Control Application in wire frame mode



X-VIEW DPX-E Wall Control Application

X-View DPX-E Wall Control for CCTV & Security IP/Video systems

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

Typically, the output of DVR's or NVR's comprises of a single output window which is divided into either 4,9,12 or 16 video windows. With X-View's wall control application, you can split each window *into segments and move / scale these as separate windows anywhere on the 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. This is useful for applications such as CCTV / Security monitoring control rooms.



DVR/NVR output single window



Wall Control splits into 4 windows



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



X-VIEW DPX-E XV-IMG4 Output Module



The XV-IMG4 is the latest new output display module for the X-View DPX-E series of multi image display processors. XV-IMG4 provides 4 display outputs which can be interfaced with either DVI-D or VGA monitor inputs, the output module is supplied with either DVI or VGA output splitter cables.

XV-IMG4 is compatible with all of the X-View DPX-E series 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 configured, along with 128 SD video inputs and 32 HD/RGB/DVI inputs within a single system.

The XV-IMG4 X-View display driver is designed to offer real time input display with maximum efficiency on system bandwidth, all outputs are vertically synchronised to ensure crisp, clean and crystal clear image display.

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

XV-IMG4 4 channel display output module Specifications

- 4 lane PCIe graphics adaptor (single slot)
- 4 display outputs with support for RGB (VGA) or 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 32bit
- Up to 10 cards per system for maximum 40 display channels
- Optional configuration for Dual port outputs for 2 x performance/channel
- Low power consumption

Card Format	PCIe x4 Plug In module
Card Size	110mm x 197mm
Number of output channels	4
Maximum output resolution	4 x 1920 x 1200 (DVI/RGB) or 2 x 2048 x 1536 (RGB only)
Maximum number of cards per system	10 (40 display channels)
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 Deg C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours



X-VIEW DPX-E XV-SD8 Input Module



The XV-SD8 is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-SD8 provides 8 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.

XV-SD8 when configured for use with composite video inputs, on board jumper links provide input signal loop through via secondary connector, allowing for easy signal distribution in complex configurations.

XV-SD8 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-SD8 ideal for a wide variety of applications.

XV-SD8 8 channel video input module Specifications

- 4 lane PCI express single slot module
- 8 x Composite Video or Y/C inputs
- Maximum video resolution 720 x 576
- Input Loop Through when used with CV inputs
- 480MB/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 170mm
Number of input channels	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 video 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 Deg C
Relative Humidity	5% to 90% non-condensing
MTBF	100,000 Hours



X-VIEW DPX-E XV-RGBE2 Input Module



The XV-RGBE2 is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-RGBE2 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-RGBE2 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-RGBE2 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-RGBE2 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)
- 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 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 (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
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

Distributed By:



Hantarex International Ltd
34 Salisbury Street
Marylebone
London NW8 8QE
Tel 020 8778 1414
www.hantarex.com

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



The XV-SD4+1 is the latest new video input module for the X-View DPX-E series of multi image display processors. XV-SD4+1 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+1 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-SD8 provides extreme performance with 480MB/s transfer bus bandwidth, this industry beating performance makes the XV-SD8 ideal for a wide variety of applications.

XV-SD4+1 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
- 480MB/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	8 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



X-VIEW DPX-E XV-VIS800 FRAMES

The X-View DPX-E series system chassis provide a robust platform for multi image display system solutions. The main DPX-E XV-VIS800-RPSU chassis provide 9 slots of PCIe slots with switch fabric and 100Gb/s peak system bandwidth and dual universal (110V-240V) redundant power supplies in a 19" Rack mount 4RU frame.

The X-View DPX-E series XV-800X-RPSU chassis provide expandability to cater for larger system configurations by making available a further 9 PCIe slots. 8 slots are available for input or output modules, 1 slot is reserved for the expansion link, which requires 1 slot in main chassis and 1 slot in expansion chassis. Up to two expansion frames may be used in a single configuration for a maximum of 24 slots.

XV-VIS800-RPSU Main Chassis Specifications

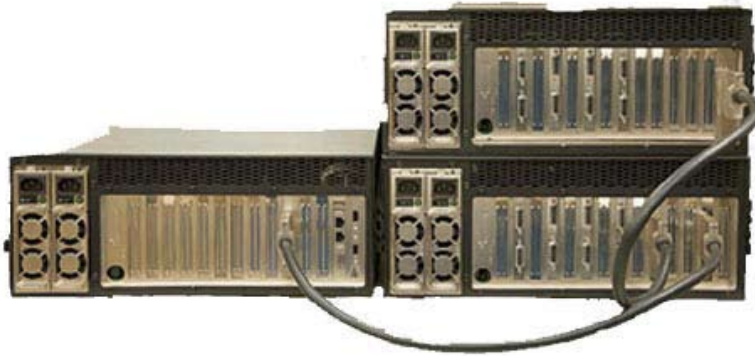
- 4RU Industrial 19" rack mount metal chassis
- Redundant 500 watt PSU
- Quad core CPU 2.66 GHz SBC
- 4GB DDR2 system memory
- Express9 PCIe back plane provides 1 x 8 lane and 8 x 4 lane slots
- 250 GB Hard drive
- Two Gigabit Ethernet ports
- VGA control screen output
- Dual cooling fans with removable air filter
- Includes Keyboard and mouse
- Windows 7 64Bit operating system
- Operating temperature 0 to 35 degrees C
- Dimensions (approx) Length 500mm, Height 177mm, Width 439mm



X-VIEW DPX-E XV-VIS800 FRAMES

XV-VIS800X-RPSU Expansion Chassis Specifications

- 4RU Industrial 19" rack mount metal chassis
- Redundant 500 watt PSU
- Auto power on/off from main chassis
- Express9 PCIe back plane provides 1 x 8 lane and 8 x 4 lane slots
- Includes expansion link cards and cable
- Dual cooling fans with removable air filter
- Operating temperature 0 to 35 degrees C
- Dimensions (approx) Length 500mm, Height 177mm, Width 439mm



Main XV-VIS800-RPSU frame connected to two XV-VIS800X Expansion frames

