

Video wall controllers for graphics and universal input visualization
Windows XP, Vista and Windows 7 platforms

- Multi-Screen control of 1 - 45 screen walls
- 16, 32, 64 video inputs and 4 - 32 multi-format inputs
- Multiple live video overlays over each screen (Crystal video)
- Real time display of multiple multi-format inputs per screen
- Real time video and DVI/HDMI/RGB zooming over multiple screens
- DXWall software system for advanced remote wall management
- English, Spanish, Chinese, Japanese, Korean and Russian user interfaces



The Video Wall Controllers

DEXON Systems offer multi-screen graphics and video wall controllers for control room applications on Microsoft Windows XP, Vista and Windows 7 platforms. The LAN based systems drive the wall of multiple screens displaying combined graphics and universal video information.

The customized workstations provide solutions for any show room and video wall visualization job by supplying:

- High overall processing and graphics performance
- Multiple video and real time DVI/RGB sources per screen
- Real time video and DVI/RGB zooming on multiple screens
- Outstanding video picture quality
- Easy-to-use configuration and wall management software system

Systems Characteristics

Full Microsoft compatible wall control of 1 – 45 displays on Windows XP/Vista/Windows7 platform

- Handling of 16 – 64 PAL or NTSC video input channels (Crystal video quality)
- Multiple video windows per cube with real time display of full frame, de-interlaced and comb-filtered video inputs
- Handling of 4 – 32 real time multi standard input channels (Express Universal)
- Visualization of HD-SDI/3G-SDI input channels
- Advanced tools for networked remote operators for video handling and wall management functions
- Dual processor, dual power supply and multiple network control options

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Technical Details

DXWall Specification

Number of screens controlled

- from 1 to 45

Platform

- Windows XP, Vista, Windows 7

Control processor

- single or dual Intel Xeon

System memory

- 4 GBytes - 32 GBytes

Peripherals

- LAN, HDD, DVD-ROM
- keyboard, mouse, floppy

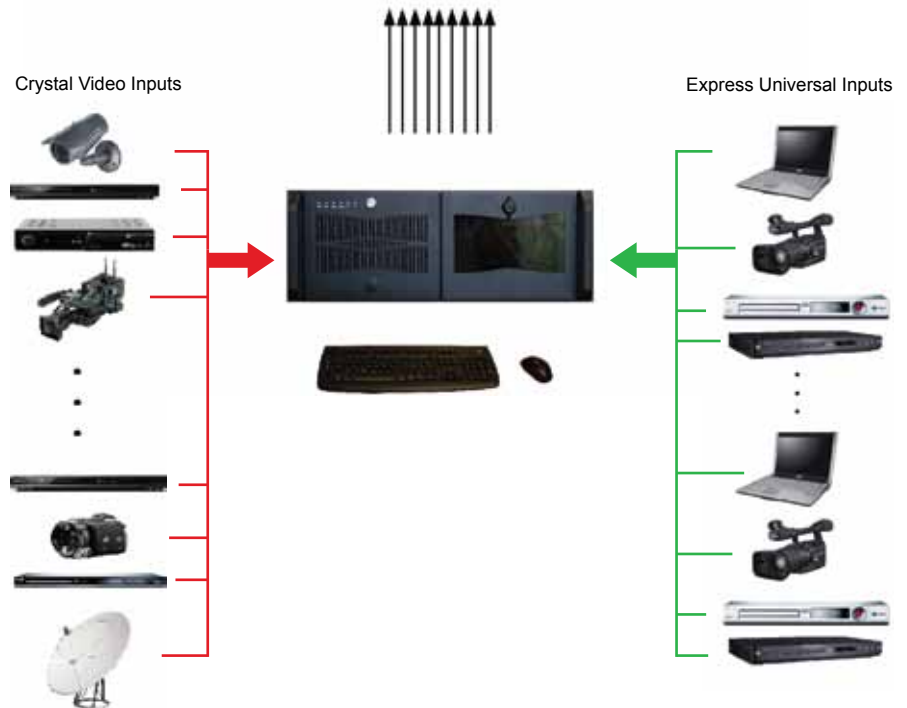
Casing

- 19" rack mount chassis

Redundancy

- dual processor
- dual LAN
- dual power supply

System Architecture



Graphics Specification

Graphics processor

- VLSI with 256 MB memory

Output resolution per channel

- 640x480 – 1920x1200

Number of colors

- 256, high color, full color

Output signals

- R, G, B analogue or DVI

Universal inputs

- Digital DVI, HDMI
- Analogue RGB, YPbPr
- HD-SDI, 3G-SDI
- S-video
- Composite video

De-interlacing

- Full frame by hardware

DVI/RGB input resolution

- 640x480 – 1920x1200

Product Summary

Product name	Platform	Screens	Video inputs	Universal inputs	Applications
DXN-2200 DXWall Controller	XP/Vista/7	1 - 45	16 - 64	4 - 32	video walls, control rooms
DXN-2400 DXWall Controller	XP/Vista/7	1 - 32	16 - 64	4 - 32	high-end video walls, control rooms
DXN-2500 DXWall Controller	XP/Vista/7	1 - 32	16 - 64	4 - 32	multiple front projectors with soft edge blending
DXN-3200 DXWall Controller	XP/Vista/7	1 - 45	16 - 64	4 - 32	video walls, control rooms
DXN-3400 DXWall Controller	XP/Vista/7	1 - 32	16 - 64	4 - 32	high-end video walls, control rooms
DXN-3500 DXWall Controller	XP/Vista/7	1 - 32	16 - 64	4 - 32	multiple front projectors with soft edge blending

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