

**Video wall controllers for graphics and multiformat 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 multiformat inputs
- Multiple live video overlays over each screen (Crystal video)
- Real time display of multiple multiformat inputs per screen
- Real time video and DVI/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 multiformat 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

System 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 multiformat input channels (Express Multiformat)
- Visualization of 1 – 32 Swift RGB 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

Technical Details

DXWall Specification

Number of screens controlled

- from 1 to 45

Platform

- Windows XP, Vista, Windows 7

Control processor

- Single, dual Intel XEON

System memory

- 1 G Bytes - 4 G Bytes

Peripherals

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

Casing

- 19" rack mount chassis

Redundancy

- Dual processor
- Dual power supply
- Dual LAN

Graphics Specifications

Graphics processor

- VLSI with 160 MB memory

Output resolution per channel

- 640x480 – 1920x1200

Number of colors

- 256, high color, full color

Output signals

- R, G, B analogue on DH15
- TMDS digital through DVI

Multiformat inputs

- Digital DVI
- Analogue RGB
- Component video, YPbPr
- S-video
- Composite video

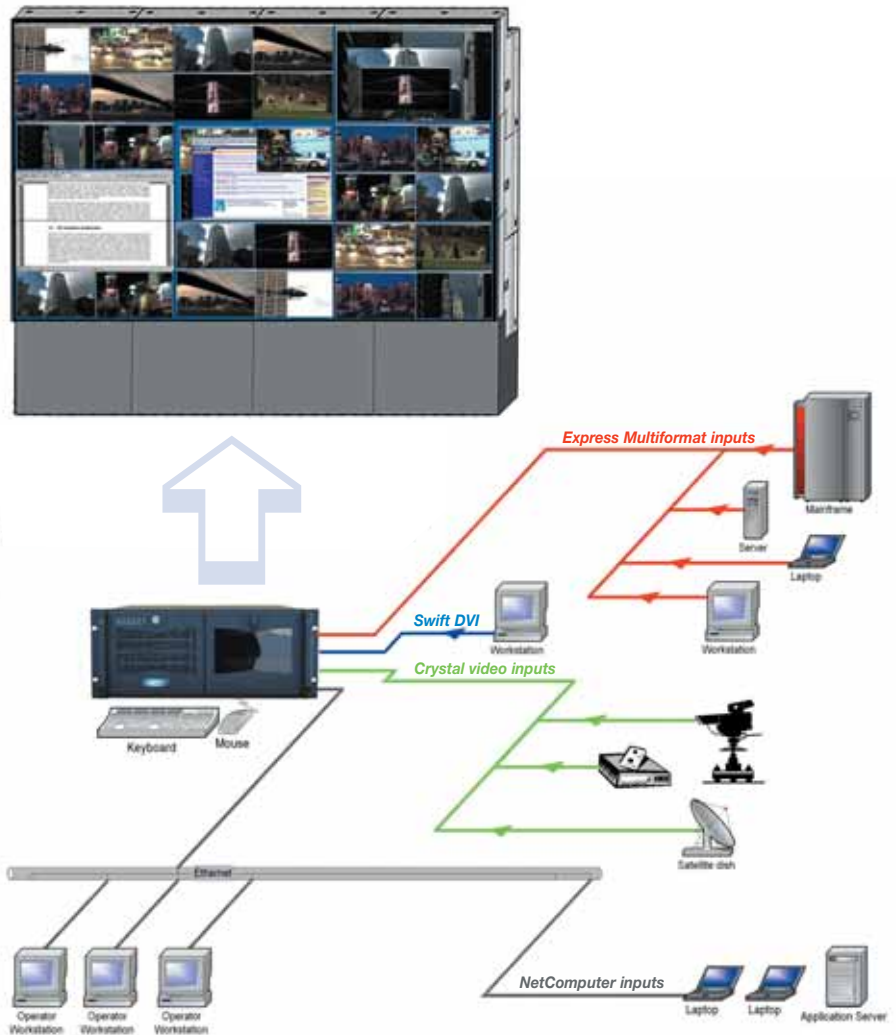
De-interlacing

- Full frame by hardware

RGB input resolution

- 640x480 - 1920x1080

System Architecture



Product Summary

Product name	Platform	Screens	Video inputs	RGB/YPbPr	Multiformat	Applications
DXN-1400 DXWall controller	XP/Vista/7	1 – 45	16 – 64	4 – 16	–	multiple beam projectors with soft edge blending
DXN-1800 DXWall controller	XP/Vista/7	1 – 45	16 – 64	4 – 16	–	video walls, control rooms
DXN-1900 DXWall controller	XP/Vista/7	1 – 45	16 – 64	4 – 16	–	video walls, control rooms
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 – 45	16 – 64	–	4 – 32	video walls, control rooms
DXN-2500 DXWall controller	XP/Vista/7	1 – 45	16 – 64	–	4 – 32	multiple beam projectors with soft edge blending

DEXON Systems Ltd.

E-mail: sales@dexonsystems.com Web: <http://www.dexonsystems.com>
 Phone: +36 23 422 804 Fax: +36 23 445 199 Address: Baross u. 165. H-2040 Budaörs, Hungary