

DXN-2200 Video Wall Controller

Real time display of multi-screen graphics and video/RGB/DVI/LAN input overlays
DXWall® system for Windows XP, Vista or Windows 7 platforms and networks



The Multi-screen Controller

DEXON's DXN-2200 controllers are multi-screen graphics servers working on Microsoft Windows XP/Vista/7 platforms and networks. The DXN-2000 video wall servers drive multiple screens to form one large video wall. The wall displays Microsoft Windows graphics desktop and overlay windows of multifformat inputs displaying DVI, RGB, component video, S-video or composite video input signals in real time.

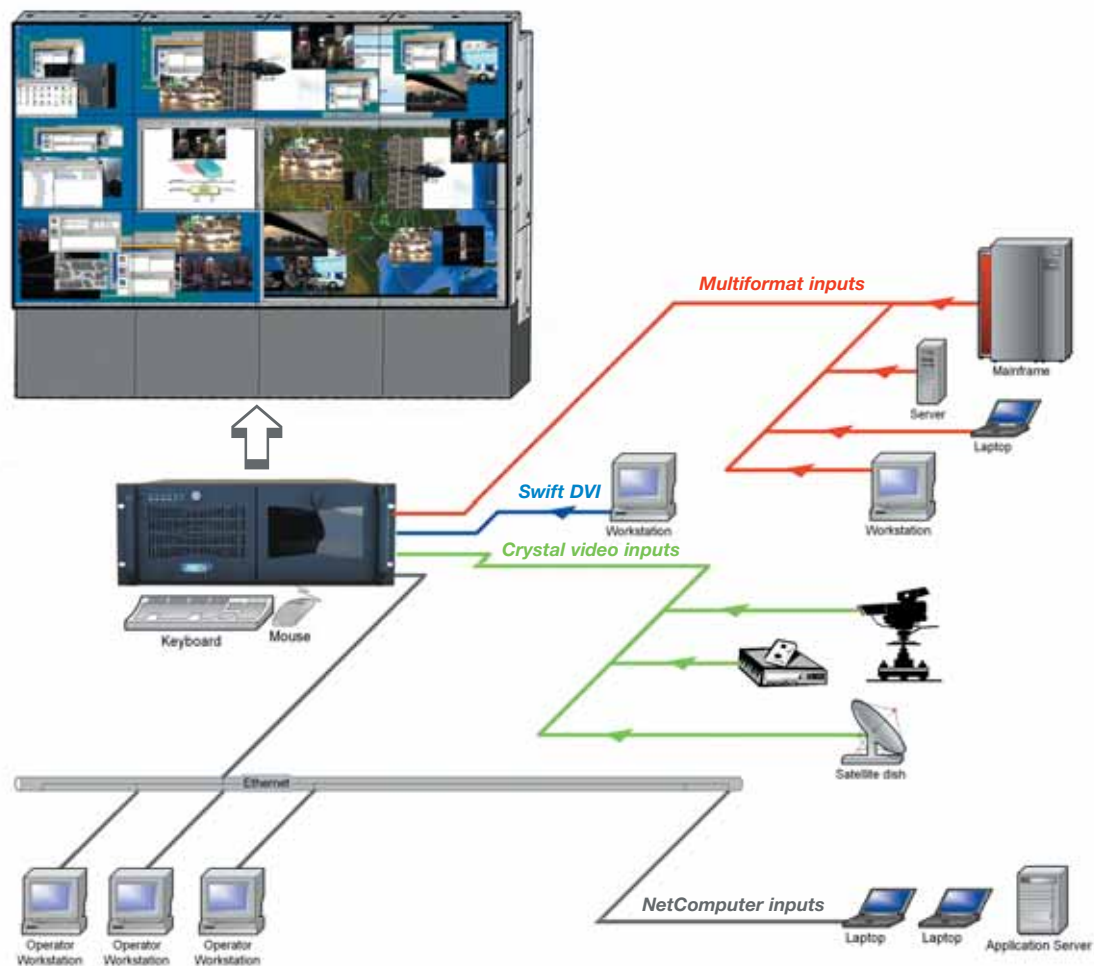
DXN-2000 controller family applies advanced Express Crossbar technology for the full digital display of digital and analogue input information. Graphics, live video and DVI/RGB windows can cover multiple screens as the windows can cross the borders of monitors. Highly optimized graphics functions, quick window positioning, unlimited zooming, automatic cursor and input handling give unprecedented freedom to control the wall area.

System Characteristics

- Integrated DXN-2200 controller driving 1-45 monitors or cubes
- Handling of 16 – 64 composite video or S-video input sources with PAL/NTSC/SECAM standard
- Handling of 4 – 32 Express Multifformat inputs up to 1920x1200 resolution
- Real time display of DVI, RGB, YPbPr, S-video or composite video input windows across multiple screens
- Picture-in-picture visualization of sources
- Advanced tools for networked, remote operators to interact and control video visualization
- Scenario control for sequenced DVI/RGB/video visualization
- Latest Intel processor and PCI bus based customized configurations
- Dual processor, dual power supply and multiple network control options

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Wall Management

The DXWall software system offers user-friendly packages to meet control room operation requirements. Advanced configuration service facilitates the installation and setup of graphics and video wall properties. The DXWallControl system manages the wall and provides user interface for impressive video and DVI/RGB input visualization. Full interfacing of touch panel devices through RS-232C or LAN connections. Innovative features include alarm management, layout control and time-based scheduling. Sophisticated remote tools support network-based operators' interaction and the remote control of video display services. The DXWallControl system provides English, Spanish, Chinese, Japanese, Korean and Russian user interfaces.

Controller Hardware

Designed for maximum flexibility, DEXON controllers offer customized solutions to meet specific project requirements.

Number of screens controlled

- from 1 to 45

Platform

- Windows XP, Vista, Windows 7

Control processor

- single or dual Intel Xeon

System memory

- 1 GBytes – 4 GBytes

Peripherals

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

Casing

- 19" rack mount chassis

Redundancy

- dual processor
- dual LAN
- dual power supply

Graphics Specifications

The graphics controllers use up-to-date technology for high-performance and perfect quality visualization.

Graphics processor

- VLSI with 160 MB memory

Output resolution per channel

- 640x480 – 1920x1080

Number of colors

- 256, high color, full color

Output signals

- R, G, B analogue or 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