

xVision Control Processor

XVC-D24N



At the core of any xVision system lies the system processor, which is responsible for encoding digital DVI video into our proprietary serial data protocol. The processor takes care of panel remote control and monitoring, and with its four outputs allows for active or passive redundancy connections, as well as allowing multiple LED surface to be controlled with the same processor. Frame-accurate synchronization across processors when large, complex video walls can be achieved with multiple processors without any noticeable delay or lag.

The D24N also features a graphical on-board LCD interface and digital encoder wheel, to allow for quick changes to brightness, color balance and raster offset right on the front panel. For simple setups, the whole system can also be fully configured and mapped without the need for an external PC computer, using the user-friendly on-board interface.

Good hardware is worthless without being easy to understand, powerful software. The learning curve of xVision Control for anyone who's ever worked with LED screens is virtually non-existent. With an added number of features, such as real-time monitoring, current limiting and optional automatic brightness controller, it fits any application.



Video processing

Input Resolution	Up to 1920 x 1080
Input Frequency	60Hz
Color depth	Up to 16 bits
Max output resolution	500,000 px per output
System latency	< 5 ms
Scaling	No, pixel-to-pixel only

LED Tiles Control

Mapping	Stored in processor
Monitoring	Tile health, voltage, temperature
Calibration	Per pixel, stored in tile or module
Redundancy	Closed-looped using single processor, hot take-over using two processors
Output protocol	Proprietary serial video & data over UTP

Interfaces

On-board interface	Graphic LCD display for simple mapping & adjustment without PC
Video input	DVI-D
Video pass-thru	DVI-D
Output to tiles	4 x XVT9
Cascading (control only)	2x Ethercon
Computer interface	USB-B

Physical

Voltage input	90-250VAC, 50-60 Hz
Power consumption	150 watts inrush, 60 watts typ.
Dimensions	19" x 9" 7/8 x 3" [4.3 cm x 25cm x 7.3 cm]
Standard rack size	2U
Weight	10lbs [4.54kg]