

# CURVE16 PVL20NSC

## FPGA LED WALL S-BOX



**CURVE16 PVL20NSC S-Box and Led Wall Control Units offer Led Wall solutions**

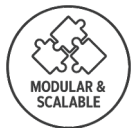


**4TheWall Curve PVLN Series** Led Wall Control Units are performance-oriented control units with Fix based on the management of physical video signals. Led Sending outputs (RJ45 or Fiber) supports.

**PVLN Series** Supports easier design and backup features.

### Architecture Structure & Software

- Centralized management with Client/Server architecture support
- Basic integration with Control Path
- Software access to third-party control systems
- EDID customization, signal mapping, smart scene planning
- RJ45 and Fiber Output Ports for LED Screen



### Features

- Front Panel LCD Screen and Control Menu
- Supports maximum 13 Million LED Pixels
- Supports 1 X DP1.2, 2 X HDMI 2.0, 4 X HDMI1.3, 1 X 12G-SDI, 2 X 10G OPT Port, 1 X USB3.0 Input Ports.
- Supports 1 X HDMI1.3, 1 X 3G-SDI (Loop), 4 X 10G OPT Port, 20 X RJ45 Output Ports.
- Supports brightness, saturation, contrast and hue adjustment.
- Supports Pixel level brightness and chroma calibration.
- Supports Screen preview out.
- Multi-layer layout between all signals, 12 X 2K\*1K Layers
- Subtitle function: can be loaded with picture, font, size, color, transparency, scrolling speed can be adjusted
- Supports 7/24 Working
- Maximum width 16.384 pixels or Maximum height 8.192 pixels.
- Supports USB playback for instant plug-and-play convenience.
- Input interface EDID editing support
- Hot backup support for input signal
- Maximum 256 Layout Preset.
- Crop and zoom
- Frame sync
- Independent resolution setting for each output
- HDMI audio input support
- 3.5mm audio input/output support
- HDCP Support
- HDR Support

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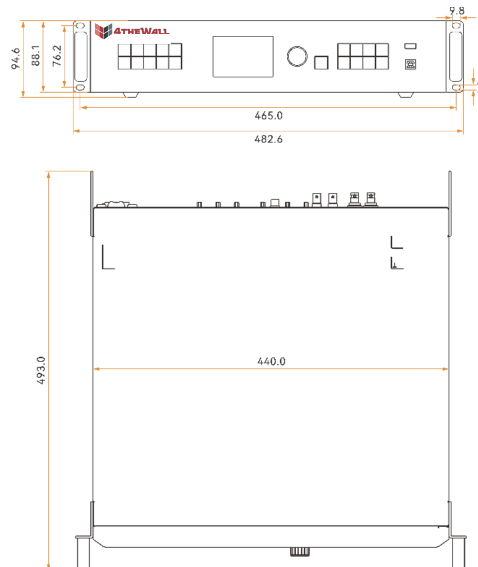
FPGA LED WALL S-BOX



## SPECIFICATIONS

Curve PVLN Series	Curve16 PVL20NSC
Installing Method	2U Rack
Max. Physical Inputs	1 x DP1.2, 2 x HDMI2.0(4K@60Hz), 4 x HDMI1.3 (FullHD@60Hz), 1 x 12G-SDI (4K@60Hz), 1 x 3.5 mm Stereo audio, Light Sensor, 2 x Fiber(10G)
Max. Physical Outputs	1 x HDMI2.0(Loop Out), 1 x HDMI1.3 (Preview Monitor Out), 1 x 3G-SDI (Loop Out), 1 x 3.5 mm Stereo audio, 20xRJ45 or 4 x Fiber(10G) (Copy RJ45 ports and Backup or Loop Out)
Source Types	DP1.2, HDMI2.0, HDMI1.3, 12G-SDI, USB
Preview	Yes
Automatic Screen Brightness	Yes (Using Light Sensor)
Maximum Pixel	13 Million Pixels
HDCP	HDCP1.4 and HDCP2.2
Layers per Unit	12x2Kx1K
Audio Support	Yes
Hardware Architecture	FPGA Base and CrossPoint
3D Support	Yes
Control	Network, USB, RS232 and Up to 5 Device Cascade Connections
Gen-lock	Yes
Network	2 x RJ45
Power Value	100-220V - 83 Watt
Redundant PSU	-
Working Conditions	0 to 50 Degree 5% to 85% non-considering
MTBF	100.000 hours
Software	Designer PVLN
Certificates	CE/RoHs
7/24 Support	Yes
Package Contents	1x Power cord, 1x Ethernet cable, 1x HDMI cable, 2x Silicone dustproof plugs, 1x USB cable, 1x Phoenix connectors

## DIMENSIONS (mm)



Tolerance: ±0.5 Unit: mm