



### Feature:

- Supports a wide range of digital signal interfaces, including 1 × DVI and 3 × HDMI 1.4
- Input resolution up to 1920×1200@60Hz, with customizable resolution settings
- Video output capacity: up to 7.2 million pixels, max width 8192 pixels, max height 4096 pixels
- Supports flexible video source switching, cropping, splicing, and image scaling
- 12-channel Gigabit Ethernet outputs; supports single-unit or dual-unit redundant backup
- Supports simultaneous display of up to 3 windows, with flexible position and size adjustment
- Compliant with HDCP 1.4 high-bandwidth digital content protection
- Dual USB 2.0 high-speed communication ports for PC debugging and master controller cascading
- Supports RS232 serial control protocol
- Supports brightness and color temperature adjustment; also contrast, hue, and saturation control
- Supports low brightness and high grayscale to ensure detail clarity in low-brightness environments

### Specification:

Input Interfaces	
Type	Description

HDMI Input	3 × HDMI inputs, compliant with EIA/CEA-861 standard (up to 1920×1200@60Hz), supports HDCP 1.4, audio input, and 8-bit formats including RGB444, YCbCr444, YCbCr422
DVI Input	1 × DVI input, compliant with DVI 1.0 standard (up to 1920×1200@60Hz), supports HDCP, and 8-bit formats including RGB444, YCbCr444, YCbCr422
Audio Input	1 × analog audio input interface, compatible with PC or similar devices
<b>Output Interfaces</b>	
<b>Type</b>	<b>Description</b>
Ethernet Output	12 × RJ45 (1Gbps) ports, freely splicable in any direction (up, down, left, right)
<b>Control Interfaces</b>	
<b>Type</b>	<b>Description</b>
USB Output	1 × USB for synchronization between controllers (cascading)
USB Input	1 × USB for PC connection and parameter configuration
RJ11 Interface	1 × RJ11 (6P6C) for central control connection
Audio Output	1 × audio output interface, supports HDMI audio decoding to speakers or other audio devices
<b>Mechanical &amp; Electrical</b>	
<b>Item</b>	<b>Specification</b>
Chassis Size	2U standard rackmount chassis
Input Voltage	AC 100~240V (wide voltage range)
Rated Power Consumption	30W
Weight	4.6 kg
<b>Environmental Conditions</b>	
<b>Parameter</b>	<b>Specification</b>
Operating Temperature	-20°C ~ +60°C
Operating Humidity	0% – 80% RH (non-condensing)
Storage Temperature	-30°C ~ +80°C
Storage Humidity	0% – 90% RH (non-condensing)