

18Gbps 8x8 Seamless UHD Matrix

User Manual

VER 1.0

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

The 18Gbps 8x8 seamless UHD Matrix can connect 8 HDMI sources to 8 HDMI displays. Supported video resolution is up to 4K60 4:4:4. The product supports IR matrix, and IR matrix routing follows the video routing. Audio extract and insert are supported. The product supports one or more video wall with RS232 command.

2. Features

- ☆ HDMI 2.0 and HDCP 2.2 compliant
- ☆ Support 18 Gbps video bandwidth
- ☆ Support seamless switching
- ☆ Support video wall
- ☆ Support IR matrix
- ☆ Support HDMI audio extract
- ☆ Support external L/R audio insert on HDMI stream
- ☆ Support EDID management
- ☆ HDMI video output resolution up to 3840x2160@60
- ☆ Support front panel, RS232, TCP/IP (LAN 10M/100M) control

3. Package Contents

- ① 1 x 8x8 seamless UHD Matrix
- ② 1 x AC Power Cord
- ③ 1 x Matrix IR Remote
- ④ 4 x IR Receiver cable (1.5 meters)
- ⑤ 4 x IR Blaster cable (1.5 meters)
- ⑥ 1× CAT6 cable
- ⑦ 1× USB to RS232 Cable
- ⑧ 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI2.0
HDCP Compliance	HDCP2.2
Bandwidth	18Gbps
Video Resolution	
Input	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz. 480p, 576p, 720p, 1920x1080i, 1920x1080p, 3840x2160@24Hz/25Hz/30Hz/50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz.
Output	1920x1080@60Hz, 3840x2160@30Hz, 3840x2160@60Hz, 1280x720@60Hz, 1024x768@60Hz, 1360x768@60Hz, 1600x1200@60Hz, 1920x1200@60Hz
HDMI Amplitude	T.M.D.S +/- 0.4Vpp
Differential impedance	100±15ohm
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
RS232/Ethernet Control	
Baud rate and protocol	Baud rate: 9600, data bit: 8, stop bit: 1, no parity checking
Ethernet	IE10.0+, HTML5
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	430mm (L) X 300mm (W) X 44mm (H)
Weight	5kg
Power Supply	AC 110 - 240V
Power Consumption	100W (Max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity	10%~50% RH (non-condensing)