Output Scalable Resolution

EPHD44/88/1616 UHD 4Kx2K HDMI Matrix

Overview:

EPHD series HDMI matrix is professional switcher routs UHD 4Kx2K HDMI signals to any outputs in need. It provides high peak data transfer rate and perfectly supports synchronous switching of HDMI signals, the robust industrial design makes it able to be a signal management center for high definition signal transmission. It can be widely used in command control center, multi-screen systems, conference room, high definition medical or education teaching etc.

Features

- Support 4/8/16 HDMI inputs and 4/8/16 HDMI outputs
- Support 3 GHz video formats up to 4k × 2k at 24 Hz/25 Hz/30 Hz, in addition to all mandatory HDMI 3D TV formats.
- HDCP and DVI compliant
- Supports 10/100Mbps Ethernet network connection
- Supports Baud rates up to 115200bps
- No loss and no delay HDMI Crosspoint switch
- Support HDMI 1.4 protocol
- Flexible control: front key panel with LCD, RS232 bus, TCP/IP control with RJ45 interface
- Input HDMI cable lengths up to 30 meters
- Mode saving function, can save and load 32 different scenes.
- Supports default HDMI EDID and learns the EDID of displays
- Easy installation with rack-mounting design

Specification

Model	EPHD44 / EPHD88 / EPHD1616
Input type	4/8/16 HDMI Inputs
Output type	4/8/16 HDMI Outputs
Video Protocol	HDMI 1.4, HDCP 1.3, compliant to DVI1.0
Maximum resolution	Up to 4kx2k at 24 Hz/25Hz/30Hz
HDMI interface	Type A, 19 pin, female
Serial Interface	RS-232 IN, DB9, Female; RS-232 OUT, DB9, Male
Input cable length	Adaptive equalizer for cable lengths up to 30 meters
Output cable length	≤ 15m
RJ45 control protocol	TCP/IP
Ethernet rate	Self-adaptive 10M/100M
Storage environment	Temperature: -20℃ ~ +70℃, humidity: 10%~90%
Work environment	Temperature: -20℃ ~ +70℃, humidity: 10%~90%
Power supply	AC 110~240V
Maximum power dissipation	10W
Dimensions (WxDxH)	1U (436.8X280X44.5) mm
Weight	About 2.3Kg
MTBF	30,000 hours
Warranty	One-year warranty and lifetime maintenance

System Diagram