
HD Matrix Switcher System

I. the product introduction:

The product is a high-definition 4X4 HDMI matrix switcher that supports 4 HDMI inputs and 4 HDMI signal outputs. It can realize arbitrary switching of any input and output signals, and can support ultra-clear resolution of 4K@30HZ and is backward compatible.

The HDMI matrix switcher has simple control mode, which can support RS-232 serial port and TCP-IP (optional) through chassis button, infrared remote control, visual control software, central control control.

The matrix switcher provides a complete image switching solution for multi-signal environments such as control centers, conference rooms, multimedia classrooms and more.

II. the functional characteristics:

- Adopt integrated structural design, standard 4 HDMI input and 4 HDMI output;
- compatible with HDMI, DVI signal format;
- Support remote control to save and call current mode quickly;
- interface bandwidth 3.4Gbps (total bandwidth 10.2Gbps), support the highest resolution: 3840x2160P@30;
- Support EDID transparent transmission function, and also set fixed EDID identification information;
- Support HDCP1.4 version with outstanding security and digital content protection;
- support Blu-ray DVD or other devices that require HDCP decoding;
- with power-down memory function, with power-off field protection function;
- standard chassis button, infrared remote control, RS-232 serial port, central control, optional TCP-IP control;
- international standard power supply support (100~240V AC, 50/60HZ), safety certification;

III、 the detailed introduction

1, output input switching function

Any switching of any input and output signals can be realized.

2, fast switching function

The current scene can be saved by the control software or the remote control, and can be called by the control software or the chassis button and the remote controller.

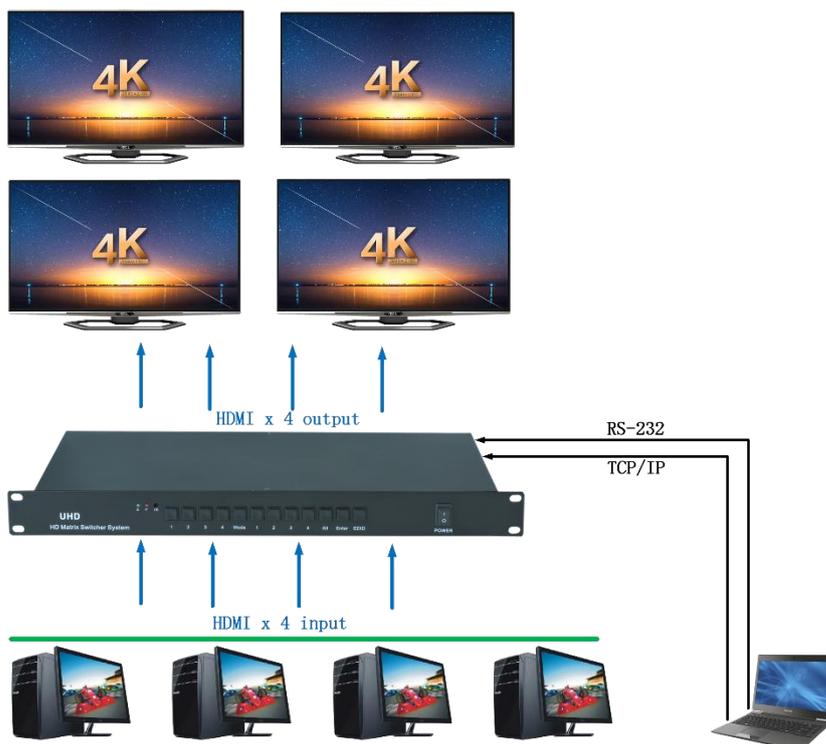
3, EDID transparent transmission function

The matrix switcher adds EDID data identification to exchange EDID data with display and source machines, as well as fixed EDID identification information.

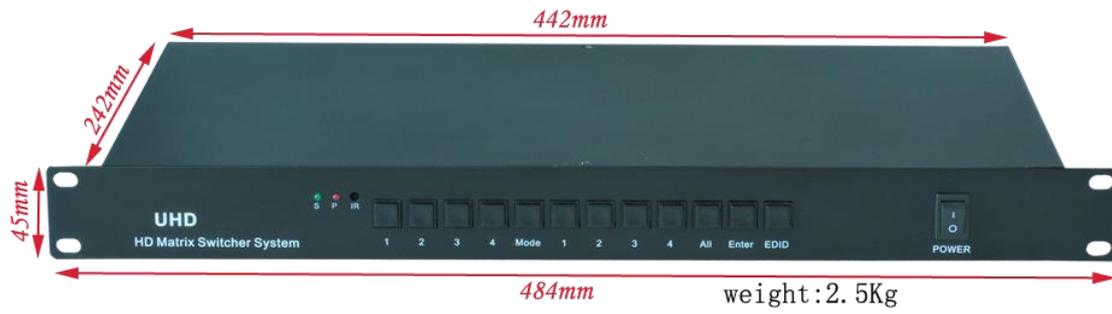
4, support 3840x2160P@30 high-definition signal input and output

4 HDMI inputs and 4 HDMI outputs; compatible with HDMI, DVI signal formats; supports the highest resolution 3840x2160P@30, and is backward compatible.

IV. System topology



V. product size and picture



VI. Technical parameters

Technical specifications	model MT04
Video input	
Input	HDMI 1.4 , HDCP1.4
Input connector	HDMI 1.4
input resistance	50 Ω
Video output	
Output	HDMI、DVI、VGA
Output connector	HDMI 1.4
Output impedance	50 Ω
Video signal	
Gain	0 Db
Video signal	HDMI、DVI、VGA
Maximum support resolution	3840*2160@30HZ, 1920*1200@60HZ, 1920*1080@60HZ, Backward compatible
EDID management	Support EDID transparent transmission function and EDID binding function
HDCP management	Supports high bandwidth digital content protection HDCP 1.4 standard.
audio signal	
Digital audio	Support HDMI audio transmission
Control section	
Serial control port	9-pin female RS-232 connector
Infrared remote control	Default infrared remote control
Front panel control	Button
protocol	TCP/IP by controlling PTNET (programmable panel)
conventional	
power supply	100VAC ~ 240VAC, 50/60Hz
temperature	-20 ~ +70°C
humidity	10% ~ 90%
Power consumption	10W
Chassis size	442mm x 242mm x 45mm
product weight	2.5 kg