16x16 HDMI Matrix

HMA1616A10

Products Description

This 16x16 HDMI matrix routes 16 Ultra HD sources to 16 Ultra HD displays with HDMI inputs. Each source can be routed to any display, using the front-panel buttons or the IR Remote Control. The matrix can also be controlled via RS-232, IP interface. With smart EDID management, make it compatible with most of the HDMI source and sink devices.

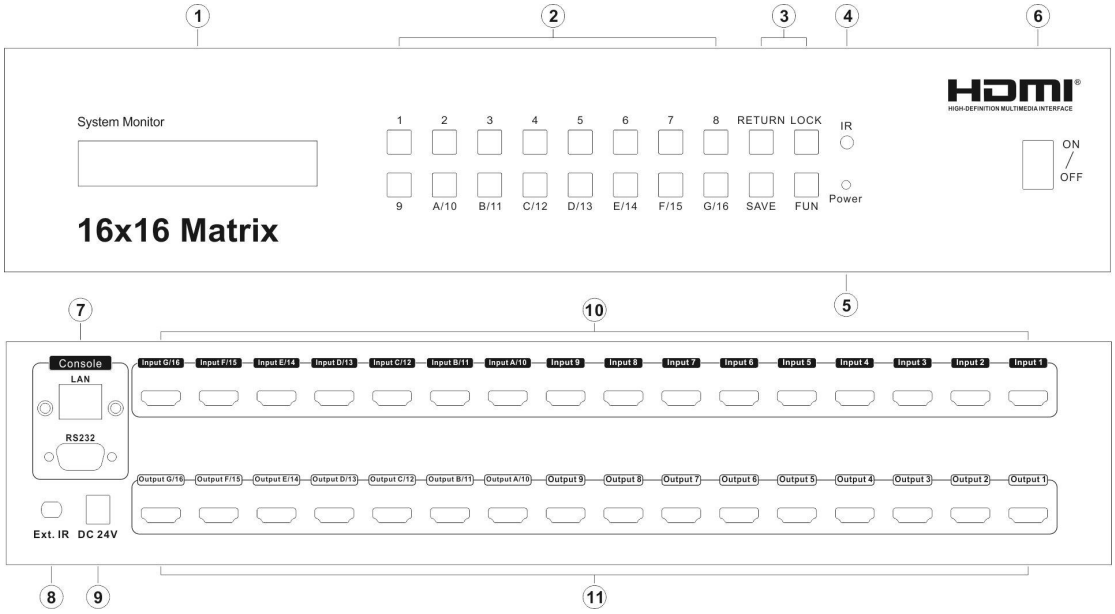
Features

- Max. resolution up to 3840*2160@30Hz
- Each HDMI output can share same input or select standalone input
- Support PCM, Dolby AC3, DTS5.1, DTS7.1 and DSD audio format
- Smart EDID management, make it compatible with most display devices
- Matrix status could be memorized after power down, automatically restore previous matrix status after next power on
- Easy control matrix via IR receiver, front keypad and PC (via LAN or RS232 port)
- Easy to view routing status via LCD display
- Support user preset connections
- Support DVI-D single link sources and displays with the use of HDMI-to-DVI adapters

Packing list:

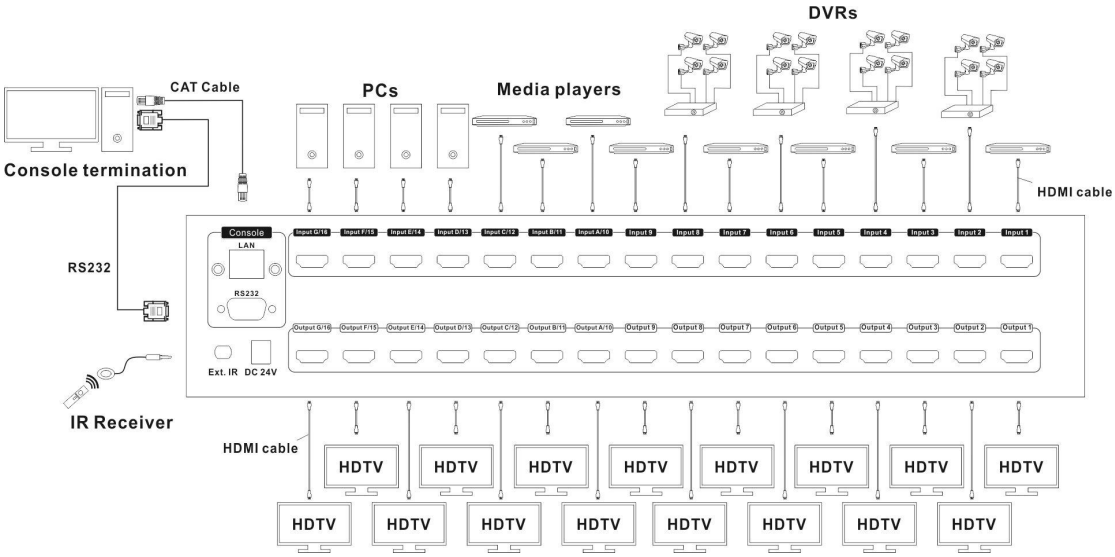
1 * HDMI Matrix 16x16
1 * Remote control
1 * IR Receiver cable
2 * Rack-ears
1 * DC 24V 3A Power Adapter
1 * User manual

Panel description



ID	Name	Description
1	24x2 LCD display	Display matrix routing status, and system settings
2	Port selection buttons	Input and output ports selection buttons
3	Function setting buttons	RETURN: Restore user preset routings SAVE: Save current routings as user preset LOCK: Lock and unlock the keypad FUN: Fast setting of N to N mirrored routing and N to all routing
4	IR	Receive IR remote signal
5	Power status	LED indicator of power status
6	Power switch	Turn on or off power supply
7	Console ports	LAN: Connect to local area network, control matrix with TCP/IP commands RS232: Connect to RS232 port, control matrix with RS232 protocol
8	Ext. IR	Extended IR receiver cable input
9	DC 24V	24V DC power supply
10	Input ports	Input ports connect to HDMI source devices
11	Output ports	Output ports connect to display devices

Connection diagram



Specification

HMA1616A10	16x16 HDMI Matrix	
Functionality		
Port selection	Front panel buttons	Yes
	Console commands	RS232 / IP
	IR remote control	Yes
LCD Display	24x2 characters	
OSD	No	
Smart EDID	Yes	
Technical		
Resolution	Up to 3840x2160@30Hz/ 1080P@60Hz 3D	
HDCP compliant	Yes	
Data rate	10.2 Gbps	
Input	16*HDMI Type A	
Output	16*HDMI Type A	
ESD protection	Human body model - ±8kV (Air-gap discharge)	
Mechanical		
Chasing material	Metal	
Product Dimensions	440(L) x 300 (W) x 89 (H) mm	
Item Weight	4000 g	
Power supply	DC 24V	
Operating/Storage temperature	0 to 70 degree/-40 to 85 degree	
Operating Humidity	10 to 90% RH	