

# 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.

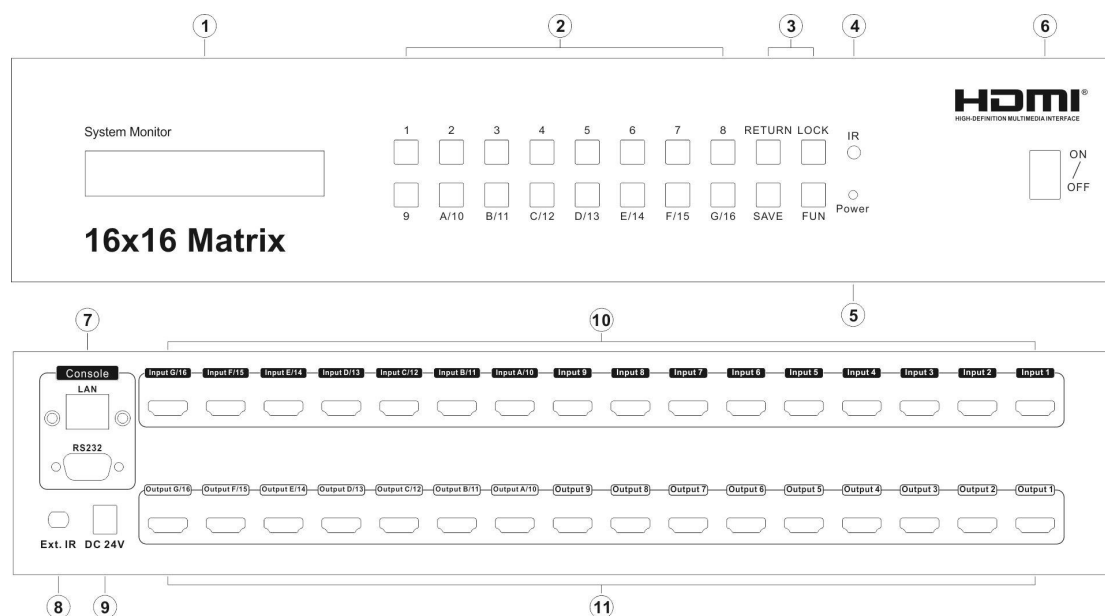
### Features

- Max. resolution up to 3840\*2160@30Hz.
- Each HDMI output can share same input or select standalone input
- Supports 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
- Supports user preset connections
- Supports DVI-D single link sources and displays with the use of HDMI-to-DVI adapters.

### Package Included

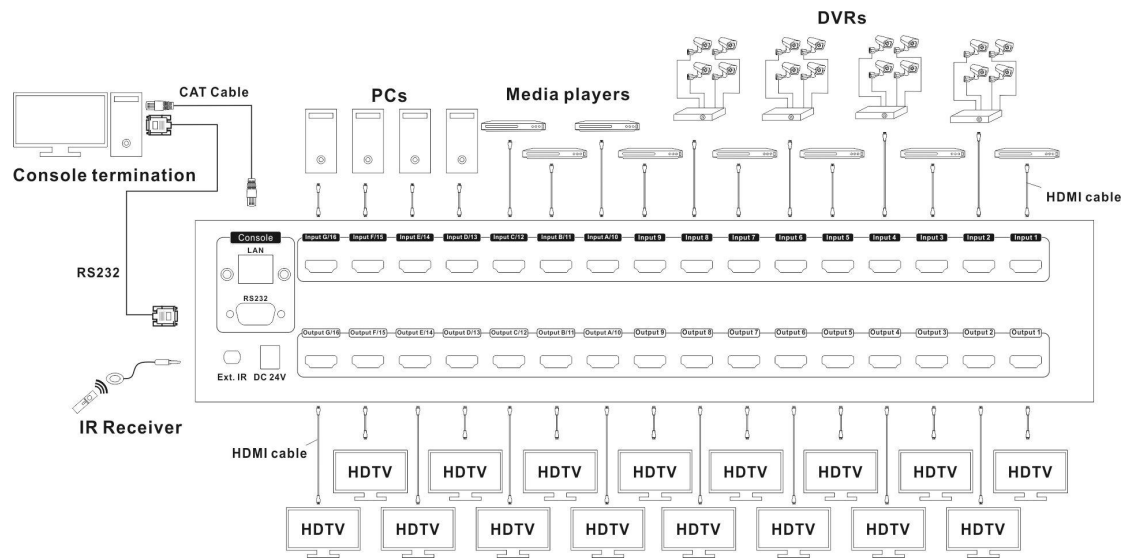
- 1 \* HDMI Matrix 16x16
- 1 \* Remote control
- 1 \* IR Receiver cable
- 2 \* Rack-ears
- 1 \* DC 24V 3A Power Adapter
- 1 \* User manual

## 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	