MAX-HDMI816A-G 8 × 8 HDMI Deep Color & Full HD 3D over Single CAT-5



The ABtUS **MAX-HDMI48A-G** 4x4 HDMI Deep Color & full 3D over single CAT-5 matrix with bi-directional IR provides the most flexible and cost effective solution in the market thr route high defination video sources plus multi-channel (up to 7.1-channel) digital audio from any of the four HDMI sources to the remove displays at the same time. Throughly only one low cost CAT-5 cable, not only high quality video and audio can be transmitted to the display, users can also switch among four HDMI sources using the push-in button or remote control. Furtheremore, the built-in IR extension function allows users to select the source from the display.

Features

- Support HDMI Deep Color & full 3D
- HDCP compliant
- · Allows any source to be displayed on multimple display at the same time
- Allows any HDMI display to view any HDMI source at any time
- Supports 7.1 channel digital audio
- Suppprts default HDMI EDID and learns the EDID of displays
- · Bi-directional IR path
- · Supports IR, RS-232 and ethernet control
- · Extends video singal up to 35m (115 feet) over single CAT-5 at 1080p
- · Easy installation with rack-mounting and wall-mounting designs for transmitter and receiver respectively
- fast response time 2~5 seconds for channel switch

Technical specification

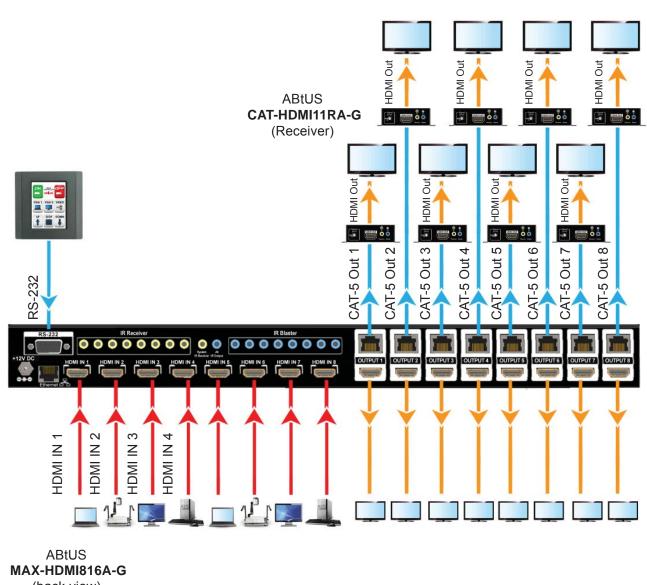
•	MAX-HDMI816A-G	CAT-HDMI11RA-G
Role of usage:	True 8 × 8 matrix switcher transmitter	Receiver
Input:	8 × HDMI	1 × RJ-45
	1 × RS-232	1 × IR socket for IR receiver
	9 × IR socket for IR receiver	
Output:	8 × RJ-45	1 × HDMI
	4 × HDMI	1 × IR socket for IR blaster
	9 × IR socket for IR blaster	
HDMI input selection:	Push-in button / IR remote control	IR remote control
	RS-232 control	
HDMI source control:	Controllable via IR pass-through from IR receiver at RX to IR blaster at TX	
	Electro-optical characteristics: T = 25° / Carrier frequency: 20~60kHz	
	Type A (19-pin female)	
	WE/SS 8P8C with 2 LED indicators	
	DE-9 [9-pin D-sub female]	
	3.5mm jack for IR blaster	3.5mm jack for IR blaster
	HDMI Deep Color & Full 3D	
HDCP compliance:		
	Single-link 225MHz [6.75Gbps]	
	480i / 480p / 720p / 1080i / 1080p60 36 bit-color	
	Surround sound (up to 7.1 channel) or stereo digital audio	
HDMI over CAT-5 transmission range:		
	HD (720p/1080i): 50m (165ft) CAT-5	
HDMI equalization:		8-level digital rotary control
	1.2 Volts [peak-to-peak]	
	5 Volts [peak-to-peak, TTL]	
ESD protection:	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge]	
	[2] Core chipset — ±8kV	
	4-layer board [impedance control – 100Ω ; single 50Ω]	
Power supply:		5V 2A DC
Power consumption:		1 Watt [max]
Operation temperature:		
Storage temperature:		
	20~90% RH [no condensation]	
	1RU rack-mount with ears wall hanging holes	Wall-mount with screws
Dimension (L x W x H):		75 × 91 × 24 mm
Weight:	1.8 кд	239 g

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Typical applications

Any Projection or display system that required broadcasting of multiple HDMI outputs to multiple displays: • Schools (Lab, Hall etc) • Churches • Corporate Applications (Function Room) • Rental • Exhibition • Shown room

Diagram



(back view)