



MA-5288V2_IsometricView-F

MA-5288V2

8x8 HDBaseT Lite matrix with PoC

OVERVIEW

The MA-5288V2 8x8 HDBaseT Lite matrix with PoC provides the most flexible and cost effective solution in the market to route high definition video sources plus multi-channel (up to 7.1-channel) digital audio from any of the eight HDMI sources to the remote displays at the same time. Through only one low cost Cat-5/5e/6 LAN cables, not only high quality video and audio can be transmitted to the display sites, but also users can switch among eight HDMI sources using the push button or remote control. Furthermore, the built-in IR extension function makes users at display site access the DVD player, PS3 or any HDMI supported devices directly! In addition, MA-5288V2 also supports PoC (Power over Cable) which can power both units from TX with power supply.

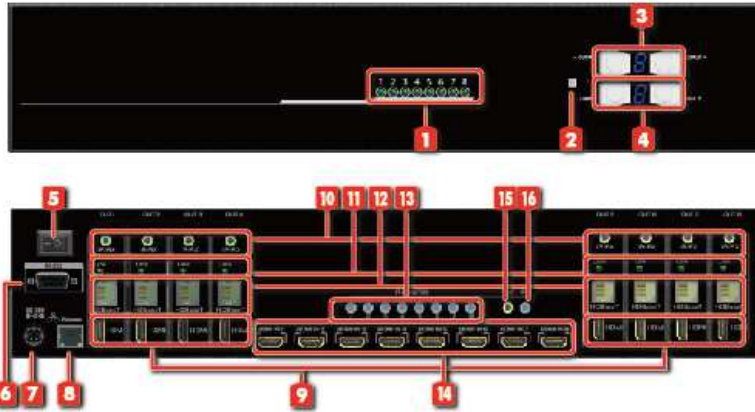
KEY FEATURES

- Support HDMI Deep Color & full 3D (HDBaseT Technology)
- Extend the transmission up to 60m (198ft) from the HDMI source at Full HD 1080p 48-bit
- Support PoC(Power over Cable) which can power both units from TX side with power supply
- HDCP compliant
- Bi-directional IR pass-through
- Allows controlling local HDMI sources or display through control path
- Allows to control main matrix center through control line at remote receiver
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- Allows any source to be displayed on multiple displays at the same time
- Allows any HDMI display to view any HDMI source at any time
- Supports 7.1 channel digital audio
- Supports default HDMI EDID and learns the EDID of displays
- The matrix master can switch every output channels from any HDMI inputs by Push button, IR remote control, RS-232 and IP control, web-interface control
- Easy installation with rack-mounting
- Fast response time – 2~4 seconds for channel switch

Model Name	MA-5288V2	
Technical	MA-5288V2	MA-5288V2-RX
Role of usage	True 8x8 matrix switcher Transmitter [TX]	Receiver [RX]
HDMI compliance	HDMI Deep Color & full 3D	
HDCP compliance	Yes	
Video bandwidth	Single-link 340MHz [10.2Gbps]	
Video support	480i / 480p / 720p / 1080i / 1080p60	
Audio support	Surround sound (up to 7.1ch) or stereo digital audio	
PoC support	YES	
HDMI over UTP transmission range	1080p@60 60m (198ft) [CAT.X]	
Input TMDS signal	1.2 Volts [peak-to-peak]	
Input DDC signal	5 Volts [peak-to-peak, TTL]	
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge]	
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]	
Input	8x HDMI / 1x RS-232 / 1x RJ-45 for IP Control / 9x IR socket for IR receiver	1x RJ-45(HDBaseT) / 1x IR socket for IR receiver
Output	8x RJ-45(HDBaseT) / 4x HDMI / 9x IR socket for IR blaster	1x HDMI / 1x IR socket for IR blaster
HDMI Input selection	Push button / IR remote control / RS-232 control / IP control	IR remote control
HDMI source control	Controllable via IR pass-through from IR receiver at RX to IR blaster at TX	
IR remote control	Electro-optical characteristics: $\pi = 25^\circ$ / Carrier frequency: 30-56kHz	
HDMI connector	Type A [19-pin female]	
RJ-45 connector	WE/SS 8P8C	
RS-232 connector	DE-9 [9-pin D-sub female]	N/A
3.5mm connector	Earphone jack for IR blaster [All IR Out] IR signal from all outputs [IR1~IR8] IR control on individual source device Earphone jack for IR receiver [System IR] Receives IR commands from remote control [IR1~IR8] Receives IR commands from individual remote control	Earphone jack for IR blaster [IR] IR control on individual display device Earphone jack for IR receiver [IR] Receives IR commands from remote control
Mechanical	MA-5288V2	MA-5288V2-RX
Enclosure	Metal case	
Fixedness	2RU rack-mount with ears Wall hanging holes	Wall-mount with screws
Power supply	24V 8.3A DC	
Power consumption	120 Watts [max]	1 Watt [max]
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

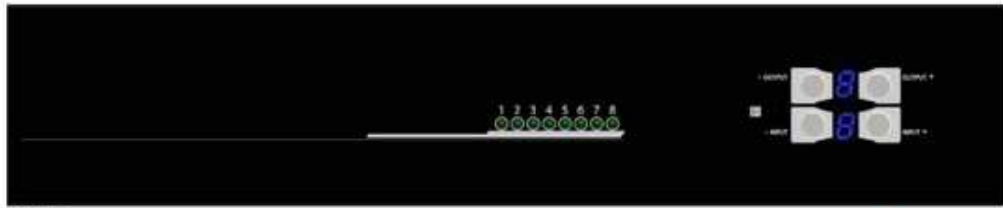
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- 1 Source Status
- 2 IR SENSOR
- 3 Output Push Button & 7-segment LED
- 4 Input Push Button & 7-segment LED
- 5 Power Switch
- 6 RS-232
- 7 +24V DC
- 8 Ethernet
- 9 HDMI
- 10 IR Receiver 1-8
- 11 LED
- 12 RJ-45
- 13 IR Blaster 1-8
- 14 INPUT 1-4
- 15 System IR Receiver
- 16 All IR Output

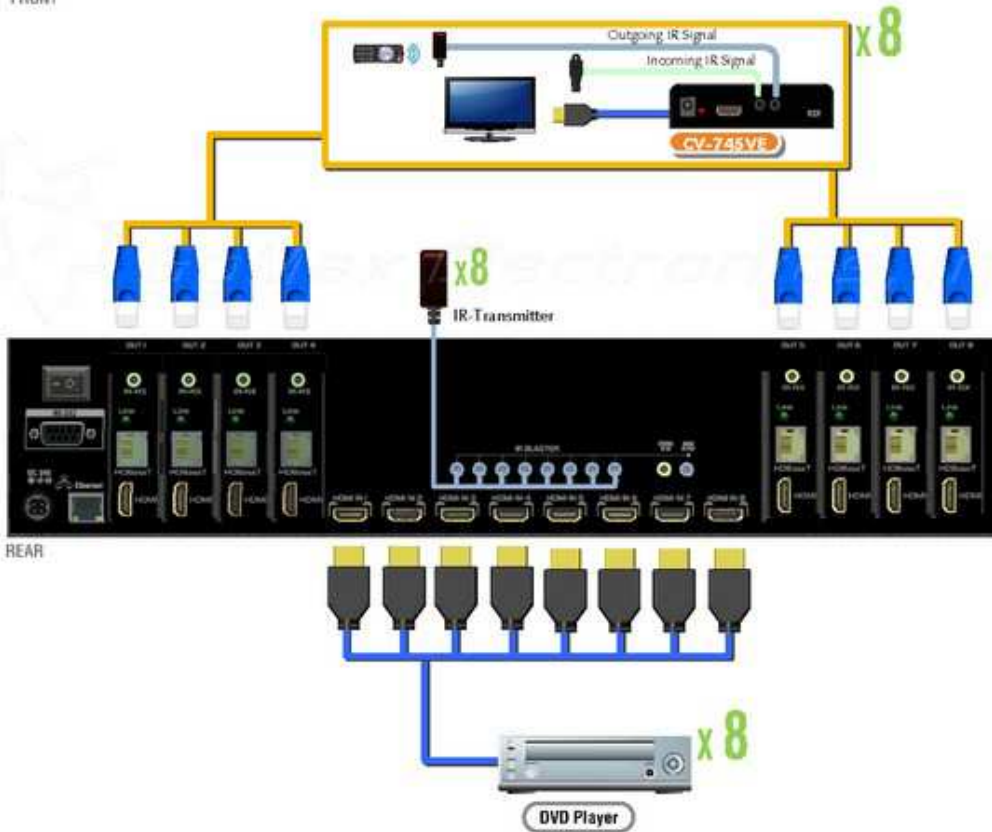


- HDMI
- CAT5/5e/6

MA-5288V2



FRONT



REAR