

## B-300-HDMATRIX-4x4

Binary™ HDMI 4x4 Matrix Switcher  
with HDMI and Single Cat5e/6 Outputs

# BINARY



### DESCRIPTION

For any application relying on HDMI switching, this Binary™ HDMI 4X4 Matrix is the perfect solution. This true matrix unit offers simultaneous HDMI and 1-Cat5e/6 outputs to reliably transmit HDMI signals and bi-directional IR from four sources to four displays – up to 130 feet, with full 1080p video and support for Dolby TrueHD and DTS-HD Master audio.

#### Exclusive EDID Management Software

Included software toolkit makes component synchronization simple and manageable.

#### Multiple Control Options

Integration-ready with bi-directional RS-232 and powered IR for easy connection to any control system

#### Simultaneous HDMI & 1-CAT Outputs

Optional 1-CAT receiver allows simultaneous HDMI and 1-CAT outputs for longer transmission distances, up to 130 feet.

#### ESD Protection

Intelligent circuit design has resulted in superior ESD protection that exceeds CE Level 3 standards.

### 2-YEAR LIMITED WARRANTY

*This Binary™ product has a 2-year limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).*

### SPECIFICATIONS

Input	4x HDMI 1x RS-232 1x System IR (3.5mm jack) 4x IR To Room (3.5mm jack)
Output	4x HDMI 4x 1CAT 4x IR From Room (3.5mm Jack)
1-Cat Transmission Distance	200ft @1080i (24-bit) 130ft @1080p60 (24-bit) 65ft @1080p60 (36-bit)
Control Options	IR remote or RS-232
Video Bandwidth	Single-link 225MHz [6.75Gbps total bandwidth]]
Dimensions	17" x 5.1" x 1.75" (L x H x D)
Weight	5.4 lbs

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## SPECIFICATIONS

TECHNICAL	
Product Type	True 4x4 HDMI matrix
HDMI compliance	Full HD 1080P60, Deep Color (36bit), 3D (1.4a 3D)
HDCP compliance	Version 2.0
Video bandwidth	Single-link 225MHz [6.75Gbps total bandwidth]
Video support	1080p / 1080i / 720p /480p / 480i up to 36-bit color
Audio support	Multi-Channel up to 7.1: Dolby TrueHD Dolby Digital Plus DTS-HD Master DTS-HD LPCM Dolby Digital EX DTS-ES Dolby Digital DTS  2ch: PCM
ESD protection	ESD: IEC 61000-4-2 Level 4 (15KV) Surge: IEC 61000-4-5
Input	4x HDMI 1x RS-232 1x System IR (3.5mm jack) 4x IR To Room (3.5mm jack)
Output	4x HDMI 4x 1CAT 4x IR From Room (3.5mm Jack)
1-Cat Transmission Distance	200ft @1080i (24-bit) 130ft @1080p60 (24-bit) 65ft @1080p60 (36-bit)
HDMI Input selection	IR remote or RS-232
IR remote control	21 button remote for Setup and Operation
HDMI connector	Type A [19-pin female]
1CAT Connector	RJ-45
RS-232 connector	9-pin DB9 female
Ethernet Connector	N/A

MECHANICAL		
Housing	Metal enclosure	
Dimensions (L x W x H)	Switcher	17" x 5.1" x 1.75"
	Package	21" x 10.4" x 3.1"
Weight	5.4 lbs	
Mounting	1RU rack-mount. Ears included	
Power supply	12 5A DC	
Power consumption	60 Watts [max]	
Operation temperature	32~104°F]	
Storage temperature	-20~60°C -4~140°F	
Relative humidity	20~90% RH [no condensation]	
Certifications	CE,FCC, RoHs	

## IN THE BOX

- (1) B-300-HDMATRIX-4x4 HDMI Matrix Switch
- (2) Rack ears for mounting
- (1) IR Remote
- (1) Power supply(12V 5A)
- (1) IR Adapter for Control Systems
- (1) User Manual
- (1) CD Rom containing Documentation, PC Configuration Utility, Discrete IR Codes and Serial Protocol.