MS-42MA

4×2 HDMI 2.0 18Gbps Matrix Switcher



Description:

The MS-42MA is an 4K60 FPS video switcher with 4 HDMI inputs and 2 scaling HDMI outputs. Each input and output supports up to 4K60 FPS at 4:4:4 resolution. The MS-42MA also supports audio de-embedding into analog and Digital signals. This switcher can be controlled from the front panel, RS232, IR, or LAN.

Key Features:

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- 4X 4K60 FPS at 4:4:4 HDMI inputs
- 2X 4K60 FPS at 4:4:4 HDMI outputs
- 1080p or HDBaseT mode
- Two sets of de-embedded audio analogue and TosLink outputs, for both outputs
- ARC decoding to the TosLink audio outputs only
- Test Pattern mode for testing output signal integrity to the display
- Built-in Web GUI for LAN control
- Control via RS232, IR, front panel and LAN

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Solutions

Technical Specifications:

Technical	
HDCP Compliance:	HDCP 2.2 and HDCP 1.4
Video Bandwidth:	18Gbps
Video Resolution:	4K60 FPS at 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats, All PC resolutions including 1920 x 1200
3D Support:	Yes
Output Scaling:	4K to 1080p, (Down-scale to no more than 10.2Gbps)
Color Depth:	8-bit, 10-bit, 12-bit (1080P, 4K30 FPS, 4K60 FPS [YCbCr 4:2:0]) 8-bit (4K60 FPS [YCbCr4:4:4])
Color Space:	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDR:	HDR10, HDR10+, Dolby Vision, HLG
L/R Audio Formats:	PCM2.0CH (Note: If ARC function is turned on, the audio port will mute.)
Optical Audio Formats:	PCM2.0, Dolby Digital / Plus, DTS
Audio Frequency Response:	20Hz to 20kHz, ±3dB
RS232 Control:	57600, No parity, 8 data bits, 1 stop bit, No handshaking
RS232-A and RS232-B:	Configurable from 4800 to 115200 baud; 7 or 8 bits; none, odd or even parity and 1 or 2 stop bits.
ESD Protection:	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connections	
Input Ports:	4×HDMI
Output Ports:	2×HDMI 2×L/R audio out [3-pin phoenix connector] 2×OPTICAL audio out [S/PDIF] 2×RS232 A/B [3-pin phoenix connector]
Control Ports:	1×LAN [RJ45] 3×RS232 [3-pin phoenix connector] 1×IR IN [3.5mm Stereo Mini-jack] 2×IR OUT A/B [3.5mm Stereo Mini-jack]

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Technical Specifications (cont.):

Mechanical	
Housing:	Metal enclosure
Silkscreen Color:	Black
Dimensions:	218mm (W) × 140mm (D) × 43mm (H)
Weight:	1050g
Power Supply:	Input: AC100 - 240V 50/60Hz Output: DC 12V/2A (Locking connector))
Power Consumption:	4.3W (max)
Operating Temperature:	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature:	-20°C ~ 60°C (-4°F ~ 140°F)
Relative Humidity:	20%~90% (relative humidity, non-condensing)