

SW-42-AP

18 Gbps 4x2 HDMI Video Matrix

FEATURE:

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Four 18G HDMI 2.0 video inputs supporting up to 4K60 444 resolution
- Two 18G HDMI 2.0 video outputs supporting up to 4K60 444 resolution
- Both outputs can be individually scaled for 4K→1080p or HDBaseT mode
- Automatic RS232, CEC and IR control of the display device power state
- 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
- Four methods of control: Front panel, RS232, IR and LAN



SW-21-MV

This product is an 18G HDMI video switcher with 4 HDMI inputs and 2 scaling HDMI outputs. Each input and output supports up to 4K60 444 HDMI 18G video. The outputs can be individually scaled for 1080p or HDBaseT compatibility. De-embedded audio as analogue L+R and optical TosLink is available for both outputs. The Matrix Switcher can automatically control the display device using RS232, CEC or IR when the last input signal is lost, or when the first video input is detected. This switcher can be controlled from the front panel, RS232, IR, or LAN.



Switchers

18 Gbps 4x2 HDMI Video Matrix



SPECIFICATIONS:

Technical

HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4
	4K2K 50/60Hz 4:2:0
	4K2K 30Hz 4:4:4
	1080p,1080i,720p,720i,480p,480i
	All HDMI 3D TV formats All PC resolutions including 1920x1200"
Output Scaling	4K to 1080p 4K to HDBaseT (Down-scale to no more than 10.2Gbps)
Color Space	RGB,YCbCr4:4:4,YCbCr4:2:2,YCbCr 4:2:0
Color Depth	8-bit, 10-bit, 12-bit [1080P, 4K30Hz, 4K60Hz (YCbCr 4:2:0)] 8-bit [4K60Hz (YCbCr4:4:4)]
3D Support	Yes
HDMI Audio Formats	PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
HDR formats	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	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

Connections

Input Ports	4x HDMI Type A [19-pin female]
	2x HDMI Type A [19-pin female]
Output Ports	2x L/R audio out [3-pin phoenix connector]
	2x OPTICAL audio out [S/PDIF]
	2x RS232 A/B [3-pin phoenix connector]
Control Ports	1x LAN [RJ45]
	3x RS232 [3-pin phoenix connector]
	1x IR IN [3.5mm Stereo Mini-jack]
	2x IR OUT A/B [3.5mm Stereo Mini-jack]

Mechanical

Housing	Metal Enclosure		
Color	Black		
Dimensions	218mm[W]x140mm[D]x43mm[H]		
Weight	1050g		
Power Supply	Input: AC100~240V 50/60Hz		
	Output: DC12V/1A (Locking connector)		
Power Consumption (Max)	4.3W (max)		
Operation Temperature	32 - 104°F / 0 - 40°C		
Storage temperature	-4 - 140°F / -20 - 60°C		
Relative Humidity	20 - 90% RH (no condensation)		
Resolution / Cable length	4K60 -	4K30-	1080P60 -
	Feet / Meters	Feet / Meters	Feet / Meters
HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M
	The use of "Premium High Speed HDMI" cable is highly recommended.		