



MSW-H412-DS

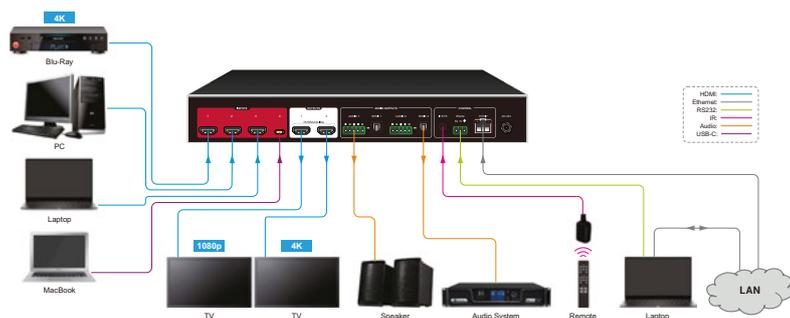
4x2 HDMI 2.0 MATRIX SWITCHER WITH USB-C

The TiGHT AV MSW-H412AC-DS is a 4x2 HDMI 2.0 matrix supporting resolutions up to 4K60 4:4:4.

The matrix features three HDMI 2.0 inputs and one USB-C input that also provides up to 60W of power delivery to the connected USB-C source. It has two HDMI 2.0 outputs that supports 4K to 1080P automatic downscaling eliminating the need for a separate scaler when mixing 4K and 1080P displays. The matrix also offers advanced auto switching that can be configured individually for each output.

Furthermore, this switcher includes an independent audio matrix that can extract audio from any input or output. It provides various control options, including front panel buttons, an IR remote control, RS232 and TCP/IP commands, and via Web-UI.

It comes fully packed with extensive configuration and settings options to make the installation go smoothly and integrate easily with any application.



KEY FEATURES

- Supports HDMI 2.0b, 4K@60Hz 4:4:4, HDR 10, Dolby Vision and HDCP 2.3.
- 3 x HDMI Inputs, 1 x USB-C Input, 2 x HDMI Outputs
- Provides up to 60w Power Delivery on USB-C input.
- Advanced auto switching configurable per output.
- Features an independent audio matrix.
- Supports 4K auto downscaling to 1080p on HDMI outputs.
- Extensive EDID management, and HDCP management on input and output side.
- Supports CEC control for devices connected on inputs and outputs

SPECIFICATIONS

VIDEO

Video Input:	(3) HDMI, (1) USB-C
HDMI Input Resolution:	Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision
USB-C Input Resolution:	Up to 4K@60Hz 4:4:4
Video Output:	(2) HDMI
Video Output Connector:	(2) Type-A female HDMI
HDMI Output Resolution:	Up to 4K@60Hz 4:4:4 HDR10, Dolby Vision
HDMI Standard:	Up to HDMI 2.0b
HDCP Version:	Up to HDCP 2.3 (backwards compatible)

AUDIO

HDMI Embedded Audio Format:	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
Audio Output Connector:	(2) 5-pin terminal block (2) SPDIF
Frequency Response:	20Hz-20KHz, ±3dB
Max Output Level:	L+R: 0.88 Vrms ± 0.5 dB. 2V = 16dB headroom above -10 dBV (316 mV) nominal consumer line level signal SPDIF: ±0.05dBFS
THD+N:	< 0.05% (-80 dB), 20 Hz – 20 kHz bandwidth, 1 kHz sine at 0 dBFS level (or max level)
SNR:	L+R: > 80dB, 20Hz-20 kHz bandwidth SPDIF: > 90dB, 20Hz-20 kHz bandwidth
Crosstalk Isolation:	< -80 dB, 10 kHz sine at 0 dBFS level (or max level before clipping)
L-R Level Deviation:	L+R: < 0.3 dB, 1 kHz sine at 0 dBFS level (or max level before clipping)
Output Load Capability:	L+R: 1k ohm and higher (supports 10x paralleled 10k ohm loads)
Noise Level:	>70dB @ 1 kHz

CONTROL

Control ports:	(1) IR EYE, (1) RS232, (1) TCP/IP
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TIGHT POLICY

Faulty product - minimal down time.

Up until six months after purchase, TiGHT AV will replace your product in advance of return of faulty product.

Your investment - built to last.

All TiGHT AV products come with a five year limited warranty.

