The Atlona **AT-HDR-M2C** is an audio converter for extracting and downmixing multi-channel PCM, Dolby®, and DTS® audio from HDMI® sources. It features an HDMI input with pass-through, and delivers stereo downmixed audio over a separate HDMI output, as well as analog unbalanced, and TOSLINK digital audio outputs. The AT-HDR-M2C is compatible with high dynamic range (HDR) formats and is HDCP 2.2 compliant. It supports 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps. This audio converter includes EDID management features as well as audio volume and bass / treble controls, all available via Ethernet through the Atlona Management System (AMS), the web GUI, or a control system. The AT-HDR-M2C can conveniently serve surround sound and two-channel audio systems from a multichannel audio source.

HDMI audio de-embedding and multichannel audio downmixing -
- Supports PCM, Dolby Digital, Dolby Digital Plus™, Dolby TrueHD, Dolby Atmos®, DTS Digital Surround™, DTS-HD Master Audio™, and DTS:X™
- De-embeds HDMI audio with or without connection to a display or other destination

Downmixes multi-channel audio to stereo audio -
- Extracts, decodes, downmixes, and converts digital multi-channel bitstreams to two-channel signals
- Provides easy integration of HDMI audio sources into whole-house and other audio systems

4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling, plus support for HDR formats -
- Compatibility with new and emerging 4K/UHD and HDR-capable sources and displays
- Fully supports video resolutions, audio formats, and color space formats in the HDMI 2.0a specification

HDCP 2.2 compliant -
- Adheres to latest specification for High-bandwidth Digital Content Protection
- Allows protected content stream to pass between devices

Delivers downmixed audio to HDMI, TOSLINK digital audio, and analog audio outputs -
- Provides flexible options for integrating with displays and audio systems
- Also passes through the HDMI input with no downmixing

Volume and tone adjustments -
- Adjustment of output volume, plus bass and treble settings via AMS and the web GUI
- Avoids the need for an external DSP to set gain and tone controls

EDID management -
- Manages EDID communications with the source through a display's EDID or internally stored EDID
- Ensures desired audio formats and video resolutions are provided to the AV system

Configured and managed by AMS -
- This IP-controllable product is remotely managed by the Atlona Management System software
- Integrates product configuration, management, and updates to reduce installation time and enable remote support

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Specifications

Video Resolutions

Video	4096x2160@24/25/30/50/60Hz, 3840x2160@24/25/30/50/60Hz, 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
VESA	1920x1200, 1680x1050, 1600x1200, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1152x768, 1024x768, 800x600, 640x480
Color Space	YUV, RGB
Chroma Subsampling	4:4:4, 4:2:2
Color Depth	8-bit, 10-bit, 12-bit

Audio

Analog Output	PCM 2Ch (de-embedded)
Optical Output	PCM 2Ch, Dolby Digital, Dolby Digital Plus, DTS 5.1
HDMI Output	PCM 2Ch, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS 5.1
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
Bit Rate	up to 24-bit
THD	0.003593%, 20Hz, 1kHz - 20kHz
SNR	110.009dB
Frequency Range	20Hz to 20kHz
Bass	+12dB to -15dB @ 20Hz - 20kHz
Treble	+15dB to -15dB @ 20Hz - 20kHz

Distance

HDMI UHD@60Hz	up to 2 meters	up to 6 feet
HDMI UHD@24Hz	up to 5 meters	up to 16 feet
HDMI 1080p@60Hz	up to 10 meters	up to 30 feet
HDMI 1080p@24Hz	up to 15 meters	up to 50 feet

Signal

Bandwidth	18 Gbps
CEC	Compliant
HDCP	2.2-compliant

Temperature

Operating	0°C to 50°C	32°F to 122°F
Storage	-20°C to 60°C	-4°F to 140°F
Humidity	20 to 90% non-condensing	

Power

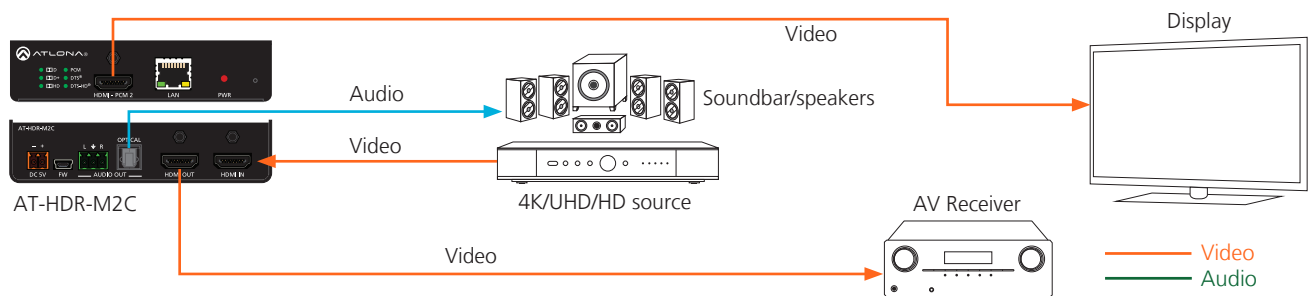|	
Consumption	6.6W
Supply	Input: AC 100~240 VAC 50/60Hz Output: DC 5V 4A

Dimension

H x W x D	26 x 127 x 109 (mm)	1.02 x 5.00 x 4.29 (inch)
H x W x D w/ears	26 x 137 x 109 (mm)	1.02 x 5.39 x 4.29 (inch)

Weight

Unit	0.36 kg	0.8 lbs

Certification

Power Supply	CE, FCC, cULus, RoHS, CCC, RCM
Product	CE, FCC

Specifications and availability subject to change without notice. Actual products, product images, and online product images may vary from images shown here. Not responsible for typographical errors.

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