



HDMI Video Scaler, 4K/60

500438-V2



Overview

The HDMI Video Scaler, 4K/60 (500438-V2) allows one (1) HDMI source to be distributed to one (1) HDMI display. The scaler supports video sources up to 4K/60 Hz, 12 bit color and HD audio. The scaler is able to upscale up to 4K/60Hz and downscale to 1024x768/60Hz. It can extract audio signals from HDMI source to digital optical and analog stereo L/R audio outputs. In addition, it supports 10bits HDR (High Dynamic Range) access and HDMI high resolution pass-through digital audio formats, such as LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master audio, with audio sampling rate up to 192KHz. The product supports HDCP 2.2 and HDCP 1.X and can be controlled via front panel buttons and RS-232 commands.

Applications

- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Conference Center
- Medical information systems

Key Features

- Distributes one HDMI source to one HDMI display
- Scales up video to 4K/60Hz, or scales down to 1024x768/60Hz
- 18Gbps uncompressed bandwidth
- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Supports LPCM, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master audio
- Supports audio de-embedding via analog and optical fiber audio ports
- Advanced EDID management
- Control via front panel buttons or RS-232 commands

Specification

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K/60 4:4:4
Color Space	RGB, YCbCr4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12bit
Audio Formats	HDMI: LPCM, Dolby TrueHD, Dolby Dig Plus, Dolby Atmos, DTS-HD Master audio Analog audio [3.5mm L/R]: PCM2.0 SPDIF (OPTICAL): Dolby Digital, DTS 5.1, PCM2.0 Note: It does not support HBR audio
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Input Ports	1 x HDMI IN [Type A, 19-pin female]
Output Ports	1 x HDMI Output [Type A, 19-pin female] 1 x Left/Right Output [RCA] 1 x Optical Output [S/PDIF]
Control Ports	1 x RS232 [3pin-3.81mm phoenix connector]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions (WxDxH)	175mm[W] x 100mm[D] x 30mm[H]
Weight	488g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	3.48W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)
Warranty	2 years
Order Information	500438-V2 HDMI Video Scaler, 4K/60 (UPC: 627699014387)

Diagram



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