

### Overview:

The HDMI Video Scaler, 4K/60 (500438) allows one (1) HDMI source to be distributed to one (1) HDMI display. The scaler supports video sources up to 4096 x 2160 @ 60 Hz, 12 bit color and HD audio. The scaler is able to upscale up to 3840 x 2160 @ 60Hz and downscale to 1024 x 768 @ 60Hz. It is HDCP 2.2 compliant, has audio extraction capability, OSD (On Screen Display) configuration menu, and may be controlled via RS232.

### Applications:

Commercial and residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems.



### Key Features:

- Distributes one HDMI source to one HDMI display
- Scales up video to 3840 x 2160 @ 60Hz, or scales down to 1024 x 768 @ 60Hz
- Supports 8, 10 and 12 bit color
- HDCP 2.2 compliant
- Supports pass-through of all audio formats up to Dolby Atmos and DTS:X
- Supports audio extraction on digital optical TosLink and analog 2CH 3.5mm jack
- Supports firmware updates via USB port
- Managed via push buttons and free Windows PC application

Specifications	
<b>Environment</b>	HDMI 2.0b
<b>Devices</b>	DVD/Blu-Ray, plasma, projectors, monitors, TV, PC, laptops, etc.,
<b>Transmission</b>	Transparent to the user
<b>Bandwidth</b>	18 Gbps
<b>Signals</b>	HDMI 2.0b (Up to 4K/60 4:4:4) protocol
<b>Connectors</b>	Two (2) HDMI Type A 19-pin female One (1) RS232 3-Pin Phoenix connector One (1) Mini USB (for firmware updates) One (1) Optical Output S/PDIF One (1) 3.5mm Stereo Mini-jack One (1) 2.1mm locking power connector
<b>Resolutions</b>	Input: from 640x480p @ 60 Hz to 4096x2160@60Hz Output: from 1024x768@60Hz to 3840x2160@60Hz
<b>Color</b>	8, 10 & 12 bit
<b>Audio</b>	<i>HDMI Audio (Pass-through):</i> LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X <i>Optical Audio:</i> LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH <i>L/R Audio:</i> Analog Stereo 2CH
<b>HDCP</b>	HDCP 1.4 & 2.2 compliant
<b>Cable</b>	HDMI cable of appropriate quality and length for video resolution selected
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20 to 60°C Humidity: up to 90% non-condensing
<b>Enclosure</b>	Metal enclosure
<b>Dimensions</b>	4.52" x 3.93" x 0.98 (115mm x 100mm x 25mm)
<b>Weight</b>	1.0 lbs. (0.45 Kg)
<b>Power Supply</b>	12VDC @ 1A with interchangeable blade for US, UK and Euro
<b>Compliance</b>	Regulatory: FCC, CE, RoHS, UL
<b>Warranty</b>	2 years
<b>Order Information</b>	500438 HDMI Video Scaler, 4K/60 (UPC: 627699004388)

Typical Applications

