



The Atlona AT-HD-SC-500 is a scaler with built-in 3×1 switcher for HDMI and VGA signals. It features two HDMI inputs and a VGA input with 3.5mm audio connector. The scaler is designed to take video signals from switchers, PCs or laptops and scale them to an HDMI output at a wide-range of HDTV and PC resolutions, up to 1080p/60Hz and WUXGA (1920×1200). For ease of operation, the AT-HD-SC-500 features auto-switching for active input selection when sources are connected or if there is a change in source power status. Input selection can also be controlled from the front panel, RS-232, or TCP/IP commands. Set-up is performed using Atlona's webGUI or OSD. Set-up options include variable preferred input resolutions, output resolution, plus control of brightness, contrast, saturation, hue and sharpness. The AT-HD-SC-500 is ideal for applications where multiple signals with different resolutions must be optimized for a display.

The AT-HD-SC-500 combines a scaler with multiple inputs and auto-switching capabilities for use in a small system with HDMI and VGA sources, and audio features including analog de-embedding, volume control, and equalization.

Scaler with HDMI output and input resolution control -

- Scales output video signals up to 1080p/60Hz and 1920×1200; Choose preferred scaler input resolution from 800×600 to 1920×1200
- Assures compatibility of VGA and HDMI sources with the display

Three input switcher -

- Features two HDMI inputs plus a VGA input with 3.5mm audio connector
- Allows advanced HDMI display devices to be used with legacy VGA sources

TCP/IP and RS-232 control -

- Flexible control options for compatibility with 3rd-party control systems
- Reduces integration time and costs

Auto-switching -

- Selects active input when sources are connected or if there is a change in source power status
- Eliminates need for complex control system in small AV systems

Front panel input select button -

- Overrides auto-switching when two active sources are present
- Simple manual control allows presenter to maintain control of the image on screen

Front panel volume control -

- Adjusts level of both embedded and de-embedded audio; provides 'Mute' mode
- Simplifies audio level settings for best sound

Specifications

Video Resolutions

IN	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 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480
Preferred input resolution	800x600, 1024x768, 1280x720, 1280x800, 1366x768, 1920x1080, 1920x1200
OUT	1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60, 720p@25/29.97/30/50/59.94/60, 800x600, 1024x768, 1280x800, 1280x1024, 1366x768, 1400x1050, 1600x900, 1600x1200, 1680x1050, 1920x1200
Color Space	YUV, RGB
Chroma Subsampling	4:4:4, 4:2:2
Color Depth	8-bit, 10-bit, 12-bit

Audio

Analog IN	3.5mm stereo jack, -10 dBu nominal input
Analog OUT	Balanced, +4 dBu nominal analog output. Max output +18 dBu (only from 2Ch PCM sources)
HDMI	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
Bit rate	up to 24-bit

Distance

HDMI @ 1080p	up to 10 meters	up to 30 feet
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Signal

Bandwidth	6.75 Gbps
CEC	
HDCP	Switchable - Compliant/Non-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	10.4W
Supply	Input: AC 100-240V ~ 50/60Hz 0.5A Output: DC 5V/3.6A

Dimension

H x W x D	38 x 127 x 102 (mm)	1.5 x 5 x 4.02 (inch)
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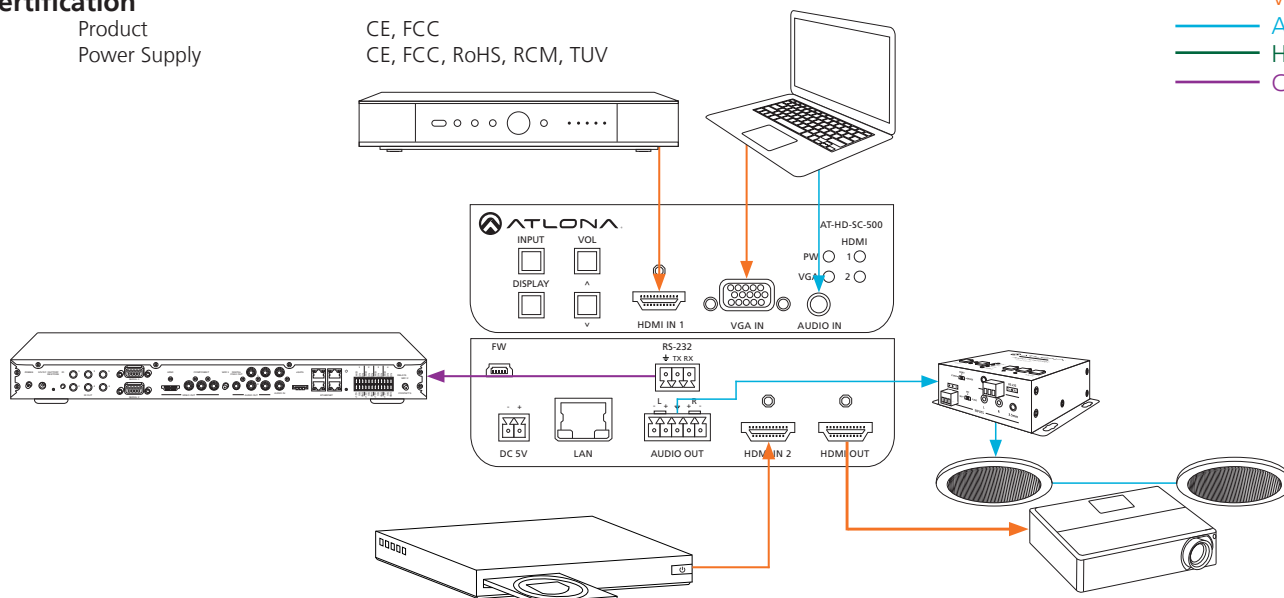
Weight

Device	0.27 kg	0.60 lbs
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Certification

Product	CE, FCC
Power Supply	CE, FCC, RoHS, RCM, TUV

 Video
 Audio
 HDBaseT
 Control



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