The Atlona AT-UHD-SW-52 is a 5x1 HDMI switcher with dual HDMI outputs, balanced audio outputs, auto-switching and advanced control capability. The switcher supports 4K/UHD @ 60 Hz, 4:2:0; offers 3D pass-through, and 10.2 Gbps bandwidth. With front panel buttons and IR control, it can be a standalone switcher. Designed as a cost-effective, easy to install solution, the switcher offers a web-based GUI for easy set-up and management of EDID and HDCP. Additional control options include auto-switching, front panel selector, and compatibility with RS-232, or TCP/IP-based control systems. Audio features include de-embedding of PCM audio over HDMI to either S/PDIF or two-channel analog audio outputs; pass-through of Dolby TrueHD® and DTS-HD Master Audio™; plus an Audio Return Channel feed to the S/PDIF output from the HDMI display. The compact, 1U, half-rack width enclosure is easily installed in rack mounted systems with the included 19" rack-mount brackets. Two units can be mounted side-by-side.

The AT-UHD-SW 52 adds 4K/UHD performance and installation flexibility to Atlona's HDMI small switcher family to meet the needs of professional integration applications. Dual HDMI outputs, balanced audio output, EQ, and volume control add to the AT-UHD-SW-52's long list of features. Incorporating internal video distribution eliminates the need for an external DA to reduce system complexity to save integrators time and money.

Mirrored, dual HDMI outputs -
- Supports dual display room environments or primary room display and presenter's confidence monitor
- Eliminates cost associated with extra distribution amplifier components; simplifies installation

4K/UHD capability -
- Compatible with Ultra High Definition sources and displays
- Supports high-resolution applications such as CAD, desktop publishing, and detailed financial reporting

Auto-switching -
- Reduces complexity or eliminates control system completely
- Simplifies user operation

TCP/IP, RS-232, and IR control -
- Flexible control options compatible with 3rd-party control systems
- Reduces integration time and costs

Rack-mountable, 1U, half rack width enclosure -
- Installs easily in rack mounted systems with included 19" rack-mount brackets
- Simplifies installations; allows two units to be mounted together

EDID management -
- Manages EDID communications between source and display; allows integrators to force sources to preferred resolution
- Ensures desired audio formats and video resolutions are provided to the AV system; eliminates the need for EDID management device

HDCP Management -
- Allows non-protected material from PCs to pass to non-compliant displays and teleconference systems while protected content is not transmitted
- HDCP compliance can be switched on/off from control systems for use with non-compliant displays, streaming devices, and codecs

Easy, GUI-based configuration using integrated web server -
- Offers menu-based configuration of network settings, RS-232 settings, input switching, EDID, and HDCP management and audio
- Allows fast configuration of internal product settings and troubleshooting from a tablet, smart phone, or PC in the field

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Specifications

Resolutions

Video	4096x2160@24/25/30/50*/60Hz*, 3840x2160@24/25/30/50*/60Hz* (UHD), 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	2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480
Colorspace	YUV, RGB
Chroma Sub-sampling	4:4:4, 4:2:2, 4:2:0
Color depth	8-bit, 10-bit, 12-bit

Audio

Formats - HDMI IN/OUT	PCM 2 Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio
Formats - S/PDIF	PCM 2 Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus
Format - captive screw	maximum analog output: balanced +18dBu @ 0dBfs , 2Ch PCM only
Sample rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz

Distance (per port)

HDMI @ 1080p	10 meters	30 feet
HDMI @ 4K	5 meters	15 feet

Signal

Bandwidth	10.2 Gbps
CEC	Pass through
HDCP	Switchable - Complaint / 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	7.5W
Idle Consumption	1.7W
Supply	Input: AC100~240V 50/60Hz
	Output: DC 5V/3.6A

Dimension

H x W x D	44 x 222.25 x 261 (mm)	1.73 x 8.75 x 10.28 (inch)
Rack size	1/2 rack, 1RU	

Weight

Device	3.15 kg	1.44 lbs

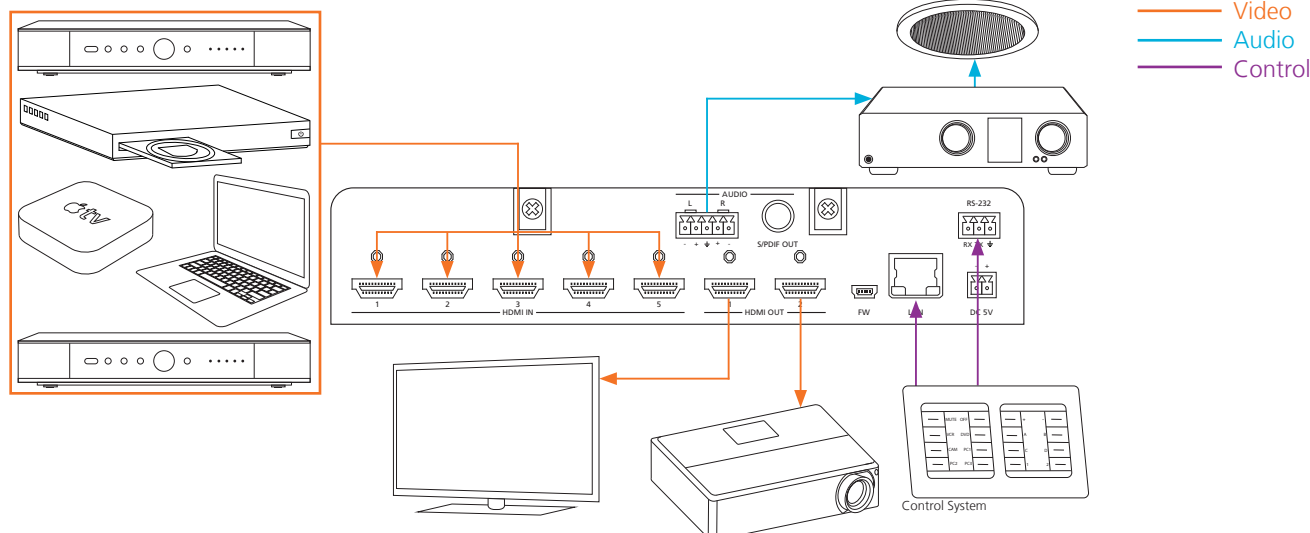### Certification

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

**4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only

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.