The Atlona AT-UHD-SW-52ED is a 5x1 HDMI switcher with mirrored HDMI and HDBaseT™ 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. It transmits AV signals along with Ethernet, power, and control over a single cable to displays up to 328 feet (100 meters) from the switcher to PoE-powered HDBaseT receivers or HDBaseT displays. Control options include auto-switching, front-panel buttons, and compatibility with IR, RS-232, or TCP/IP-based control systems. Advanced features also include a web-based GUI for easy set-up and management of EDID, HDCP, and display control. The switcher offers audio de-embedding of PCM audio over HDMI to either S/PDIF or two-channel analog audio outputs. The switcher is a cost-effective product for professional integration featuring a compact, 1U, half-rack width enclosure that is easily installed with the included 19" rack-mount brackets. Two units can be mounted side-by-side.

The AT-UHD-SW-52ED adds 4K/UHD performance and extended distance HDBaseT transmission to Atlona's HDMI small switcher family for a unique solution for professional integration applications. Internal HDBaseT and video distribution eliminate the need for additional system components while PoE eliminates the need for a power supply for the receiver. As an alternative, with an HDBaseT-capable display, an HDBaseT receiver isn't required, reducing system complexity and saving integrators time and money.

Mirrored, dual outputs on HDMI and HDBaseT -
- Supports dual display environments with local and extended distance to 328 foot (100 meter) displays
- Eliminates cost associated with extra extension components; simplifies installation. HDMI output can be used with additional HDBaseT transmitter

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

Display control -
- Powers-up display when a source is connected or activated; Powers-down display when a source is disconnected or deactivated; Allows switcher's front panel volume controls to adjust display's audio levels
- Reduces control systems costs by automating display control

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

IR, RS-232, and Ethernet HDBaseT insertion -
- Adds internally-generated or externally-generated display control signals to the HDBaseT transmission
- Simplifies display control from third-party control systems

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 an EDID management device

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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
Format - captive screw	maximum analog output: balanced +4dBu @ 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)

CAT5e/6 @ 4K	up to 70M	up to 230 ft
CAT5e/6 @ 1080p	up to 100M	up to 328 ft
CAT6a/7 @ 4K	up to 100M	up to 328 ft
HDMI @ 4K	up to 5M	up to 15 ft
HDMI IN/OUT @ 1080p	up to 10M	up to 30 ft

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	22W
Idle Consumption	9.06W
Supply	Input: AC100~240V 50/60Hz
	Output: DC 48V/0.83A

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
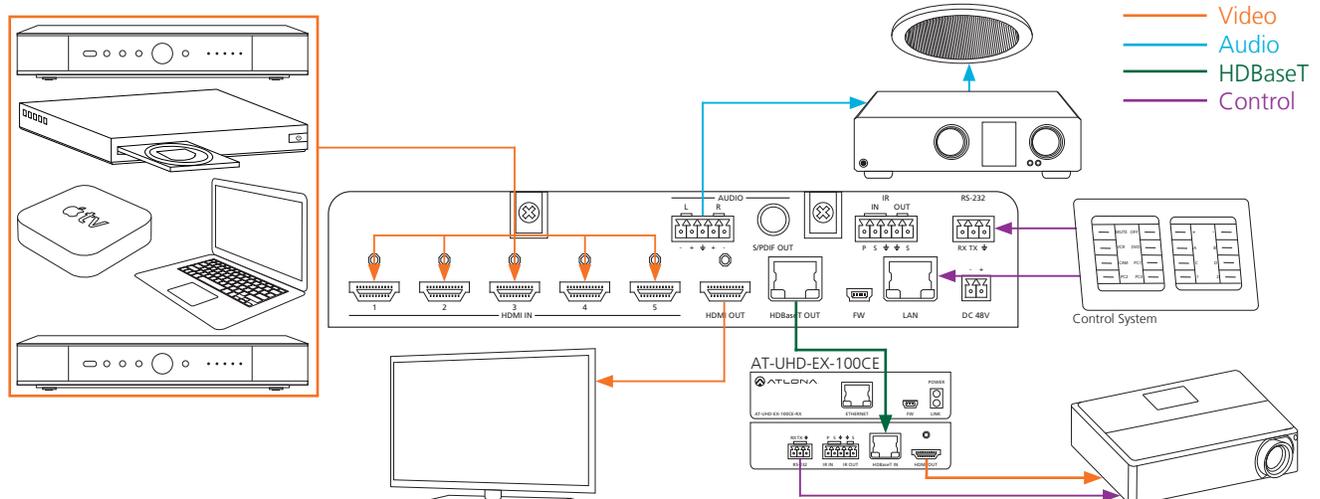
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