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
Specifications

**Resolutions**

**Video**
- 4096x2160@24/25/30/50/59.94/60Hz* (UHD), 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576i, 480p, 480i

**VESA**
- 2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480

**Colors**
- 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

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.