The Atlona AT-UHD-SW-5000ED is a 5x1 switcher with two HDBaseT™ inputs, three HDMI inputs, mirrored HDMI and HDBaseT outputs, balanced audio outputs, automatic input selection, and advanced display control capability. The HDBaseT inputs match perfectly with the HDVS-200-TX modules to enable VGA and HDMI sources to be easily integrated into a system. The switcher supports 4K/UHD @ 60 Hz, 4:2:0; (10.2 Gbps). 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. Control options include automatic input selection, front-panel buttons, and compatibility with IR, RS-232, or TCP/IP-based control systems. Displays are automatically turned on and off using CEC, IP, or RS-232. 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 two-channel, balanced +4 dBu 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 included 19" rack-mount brackets. Two units can be mounted side-by-side.

The AT-UHD-SW-5000ED enables two HDVS transmitters to be used in a single system. With Ethernet enabled HDBaseT transmission to the HDVS transmitters and the receiver control, setup and maintenance is simplified. Automatic input selection and display control simplify the system, reducing cost, reducing setup time and resulting in a better end user experience.

Two, Ethernet-enabled HDBaseT Inputs -
- Supports two HDVS-200 Series transmitters for placement at remote sources near lecterns, conference tables, and instructor's desks
- Simplifies integration of remote sources by eliminating power supplies when used with PoE-powered transmitters; single category cable carries AV signals, control and power

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

Automatic display control -
- Automatically changes projector power state based on active or standby mode of switcher. Control signals transmitted via CEC, IP, or RS-232
- Eliminates need for complex control system in AV systems. Enables display and volume control directly or with AT-UHD-CLSO-824 or AT-UHD-EX-100CE. CEC enables control of low-cost consumer displays

Automatic input selection using video detection technology -
- Selects active input when sources are connected or if there is a change in source power status
- Eliminates need for complex control system in AV systems

Ethernet-enabled HDBaseT -
- Simplifies installation, maintenance with IP controlled switcher, transmitters and receivers using Atlona AMS
- Configure, backup, update, maintain and monitor from a simple PC interface

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 and HDCP 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; enables PC output to non-compliant codecs

Specifications

Video 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, 1152x768, 1024x768, 800x600, 640x480
Color Space	YUV, RGB
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Color Depth	8-bit, 10-bit, 12-bit

Audio

Analog	PCM 2Ch (de-embedded)
HDMI / HDBaseT	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
Bit Rate	up to 24-bit

Distance

CAT5e/6 @ 4K	up to 70M	up to 230 ft
CAT6a/7 @ 4K	up to 100M	up to 328 ft
CAT5e/6 @ 1080p	up to 100M	up to 328 ft
HDMI IN/OUT @ 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	Compliant
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	44.22W
Idle Consumption	22W
Supply	Input: AC100-240V ~ 50/60Hz Output: DC 48V/3.125A

Dimension

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

Weight

Device	1.66 kg	3.70 lbs

Certification

Unit	CE, FCC
Power Supply	CE, FCC, Level VI, RoHS, cULus, RCM, CCC

AT-HDVS-200-TX

AT-UHD-SW-5000ED

AT-UHD-EX-100CE-RX

—— Video
—— Audio
—— HDBaseT
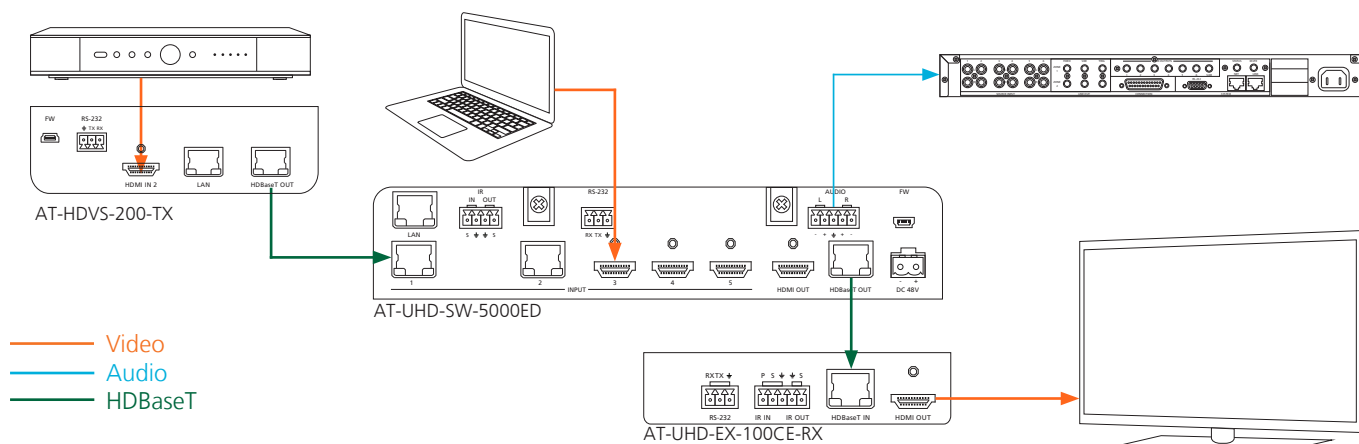
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