

ECHO-1S

1 Channel HDBaseT™ Transmitter



FEATURES

- HDBaseT Extender
- Extend UHD 4K@60Hz 4:4:4 up to 70m & 1080p up to 100m
- HDCP 2.2, HDR10, 3D Support
- RS-232 Pass-Through & Control
- Bi-directional IR (Wide Band)
- HDMI loop output on the Sender
- Dual HDMI output on the Receiver
- Audio Extraction on the Sender & Receiver
- EDID management
- Power over Cable (only Sender side needs power supply)
- Locking Power Supply Connector

DESCRIPTION

The ECHO-1S is designed to allow a single HDMI 2.0 source to be displayed remotely at up to two different locations, using HDBaseT™ technology. HDMI resolutions up to 4K UHD (4K@60 4:4:4) can be extended up to 70m, while resolutions up to 1080p can be extended 100m over a single CAT5e or CAT6 cable. ECHO supports HDCP 2.2 and 1.4 content protection, as well as HDR10 High Dynamic Range video.

In addition to HDMI extension, the ECHO-1S also extends RS-232 serial data, and bi-directional IR for control of remote devices. The ECHO-1S includes a local HDMI output, EDID routing control, de-embedded analog audio, and power over Cable (PoC) to power remote receivers.

The ECHO-RX2 receiver has a built-in HDMI splitter for connection to a secondary display, RS-232 and bi-directional IR for control, and de-embedded analog audio output. When used with an ECHO-1S, power can be supplied at either transmitter or receiver – whichever is more convenient.



Video Standards:	HDMI 2.0 video specifications including HDR10, 3D video HDCP 2.2, 1.4 DVI (single link)
Video Connectors:	(1) HDMI Input, (1) HDMI Output
Resolutions:	HDTV signal - 480p through 4K@60 4:4:4 DVI signal VGA (640x480) thru WUXGA (1920x1200)
Audio:	Formats - LPCM 2CH Audio (32-192kHz sample rate) DTS-HD, DOLBY-HD
Other Signals:	RS-232 (1) RX, TX and GND on Terminal Strip RS-232 pass-through
IR:	Wide-band IR pass-through: 38 – 56 kHz supported (1) 3.5mm IR Input (1) 3.5mm IR Output
USB:	USB USB 2.0 Micro type B (for firmware update only)
General:	Power Supply 100 VAC to 240 VAC, 47-63 Hz, External; 24 VDC 24VDC 4A
Temp/Humidity:	Storage: -40 to +158°F (-40 to +70°C) / 5% to 90%, non-condensing Operating: +14 to +131°F (-10 to +55°C) / 5% to 90%, non-condensing
Typical Power Consumption:	12W total
Cooling:	Convection
Enclosure Type:	Metal (steel)
Dimensions:	0.82" H x 6.06" W x 3.09" D (22.8mm H x 153.9mm W x 78.5mm D) (All dimensions include mounting flange width)
Safety:	CE
EMI/EMC:	CE, FCC Class A
MTBF:	90,000 hours (estimate)
Warranty:	3 years parts and labor
Shipping:	Unit only - .75lbs Unit in model box - 2.0 lbs 8.50"x2.50"x7.25