

ECHO-RX2
Specification Sheet
HDBaseT™ Receiver with Dual Outputs

Description

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 sender or receiver – whichever is more convenient.

Key Features

- HDBaseT receiver with dual HDMI outputs.
- Extend UHD 4K@60Hz 4:4:4 up to 70 m and 1080p up to 100 m.
- HDCP 2.2, HDR10, 3D support.
- Bi-directional RS-232 and IR control.
- Audio extraction.
- EDID management.
- Locking power supply connector.

Specifications

Video	
Standards	HDMI 2.0 video specifications including HDR10, 3D video HDCP 2.2, 1.4 DVI (single link)
Connectors	(2) HDMI outputs
Resolutions	HDTV signal: 480p through 4K@60 4:4:4 DVI signal: VGA (640x480) through WUXGA (1920x1200)

Audio	
Formats	LPCM 2CH audio (32–192 kHz sample rate) DTS-HD, Dolby-HD

Control	
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) 3.5 mm IR input (1) 3.5 mm IR output

USB	
USB	USB 2.0 Micro Type-B (for firmware update only)

Power	
Power Supply	100–240 V AC, 47–63 Hz, external; 24 V DC, 1 A
Typical Power Consumption	12 W total

Environmental	
Operating	+14 to +131 °F (-10 to +55 °C), 5% to 90% RH, non-condensing
Storage	-40 to +158 °F (-40 to +70 °C), 5% to 90% RH, non-condensing

Dimensions (H × W × D)	
Unit	0.82 × 6.06 × 3.09 in (22.8 × 153.9 × 78.5 mm), including mounting flange width

Weight	
Unit	0.75 lb
Shipping	2.0 lb

General	
Cooling	Convection
Enclosure Type	Metal (steel)
MTBF	90,000 hours (estimate)

Certifications	
Safety	CE
EMI/EMC	CE, FCC Class A

Warranty	
Device	3 years parts and labor. To view the product warranty, visit: hallresearch.com/warranty

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