

150m HDMI Receiver

HE-150U-R



DESCRIPTION

Taska HE-150U-R is an 150m HDMI Receiver. It leverages an optimized version of HDBaseT technology. Paired with transmitter, it enables the extension of audio/video signals over a single CAT5e/6 cable for distances up to 150 meters. Supporting resolutions up to 4K2K@60Hz (4:4:4) and HDCP 2.2, it also features a de-embedded audio output, and bi-directional IR, RS-232, and CEC pass-through. This Receiver offers a reliable and ideal solution for home theater, commercial displays, and educational training scenarios.

PRODUCT FEATURES

- | HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- | Support 18Gbps video bandwidth
- | The maximum extended transmission distance via a single CAT5e/6 cable: 394ft/120m for 4K2K signal; 492ft/150m for 1080P signal
- | Support de-embedded audio output
- | With bi-directional IR, RS-232 and CEC control signal transmission
- | HDR, HDR 10+, Dolby Vision, and HLG pass-through
- | Bidirectional PoC (Power over Cable) functionality
- | Compact design for easy and flexible installation.

SPECIFICATION

	Technical
HDMI Compliance	HDMI 1.4/2.0b
HDCP Compliance	HDCP 1.4/2.2
Video Bandwidth	18Gbps
Input Video Resolutions	4K2K 50/60Hz 4:4:4
	4K2K 50/60Hz 4:2:2
	4K2K 50/60Hz 4:2:0
	4K2K 30Hz 4:4:4
	1080p, 1080i, 720p, 720i, 480p, 480i
	All HDMI 3D TV formats
	All PC resolutions including 1920 x 1200
Color Space	RGB / YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Formats	HDMI: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS-X
Transmission	HDMI passive cable 3m; CAT6/6A cable 120m@4K60; CAT6/6A cable 150m@1080P
IR Frequency	20K-60KHz
IR Level	5Vp-p
	Connection
Input	1 x FROM TX [RJ45, supporting PoC]
Output	1 x HDMI OUT [Type A, 19-pin female]; 1 x AUDIO OUT [3.5mm audio jack]
Control	1 x RS-232 [3pin-3.5mm Phoenix connector]
	1 x IR IN [3.5mm TRS connector]
	1 x IR OUT [3.5mm TRS connector]
	1 x SERVICE [Mini-USB, Update port]
	Mechanical
Color	Black
Dimensions	140mm [W] × 65mm [D] × 18mm [H]
Weight	155g
	Electrical
Power Consumption	~9.36W
Power Supply	Locking 5.5mm x 2.5mm jack: DC 24V/1A
	Environment
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	20~80% RH (Non-condensing)
Storage Humidity	10~90% RH (Non-condensing)