

CR-EHB150CGR

4K HDBaseT Receiver



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Product overview

The 18Gbps HDMI Extender CR-EHB150CGR can extend high definition video / audio signal, RS-232, bi-directional IR, and the distance is up to 492ft / 150 meters between transmitter and receiver via a single CAT cable. It supports resolution up to 4K2K@60Hz 4:4:4, 18Gbps and HDCP 2.2. One HDMI loop port is available for output. It also supports de-embedded audio for L/R audio output and PoC function. In addition, the extender is equipped with two-way IR pass-through which allows for source and display control.

CR-EHB150CGR offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools and corporate training environments, where require HDMI source and transmission over long distance.

Features

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Input and output extends distance up to 394ft / 120 meters when 4K2K signal and 492ft / 150 meters when 1080P signal
- Support one HDMI loop output on transmitter
- De-embedded audio to analog stereo output on receiver
- With bi-directional IR, RS-232 and CEC pass-through
- Support HDR, HDR10+, Dolby Vision and HLG function
- Support PoC (Power over Cable)
- Compact design for easy and flexible installation.

Specifications

The parameter name	CR-EHB150CGR		
HDMI Compliance	HDMI 2.0	Audio Format	HDMI: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X Analog Signal: PCM 2.0
HDCP Compliance	HDCP 2.2 / 1.4		
Video Bandwidth	18Gbps	Housing	Metal Enclosure
Temperature	Operating: 32 - 104°F / 0 - 40°C Storage: -4 - 140°F / -20 - 60°C	Dimensions	140mm [W] x 65mm [D] x 18mm [H]
Relative Humidity	20 - 90% RH (no condensation)	Power Consumption	9.36W
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)	Color	Black
Color Depth	8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0) 8-bit (4K60Hz 4:4:4)	Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 24V/1A (Locking connector)
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0	Interface	Inputs: 1x HDBT IN [RJ45, 8-pin female] 1x SERVICE [Mini-USB, Update port] Outputs: 1x HDMI Type A [19-pin female] 1x AUDIO OUT [3.5mm Stereo Mini-jack] Control: 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack]
Video Resolution	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		
Transmission distance	4K*2K: 394ft / 120M 1080P: 492ft / 150M		

Diagram

