CR-uCAT5 HDMI 70R
4K HDBaseT receiver

CR-uCAT5 HDMI 70R

Product overview

CR-uCAT5 HDMI 70R is a receiver which can extend your HDMI signal over 230fts/70meters to a compatible display. It is designed to convert HDMI signal to standard HDBaseT signal which can be transmitted by LAN cable. It also supports Transfer Bidirectional Infrared control signal together with the HDMI signal, so you can control the Source in the Sink side which is 230fts outside, also you can control the Sink in the Source side which is 230fts outside by using the HDMI Extender.

CR-uCAT5 HDMI 70R 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 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- Video resolutions up to 4K2K@50/60Hz (YUV4:4:4)
- 10bits HDR (High Dynamic Range) pass through
- Supports HDMI High Bit Rate(HBR) audio pass through
- Supports CEC bypass
- POC (Power Over Cable) function is supported, either TX or RX is powered by24V@1A power supply, the another does not need power supply from the DC jack. POC Power consumption is less than 10W
- Transfer Bidirectional Infrared control signal together with the HDMI signal
- Transfer Bidirectional RS-232 control signal together with the HDMI signal

Specifications

The parameter name	CR-uCAT5 HDMI 70R
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 1.4 and HDCP 2.2
Video Bandwidth	18 Gbps
Color Space	RGB/YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
Video Resolution	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
HDMI Audio Formats	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, LPCM 5.1, Dolby Digital 2/5.1CH, DTS 2/5.1CH
ESD Protection	Human body model—±8kV (Air-gap discharge) &±4kV (Contact discharge)

Specifications

The parameter name	CR-uCAT5 HDMI 70R
Input interface	1x HDBaseT In [RJ45], 1x IR INPUT [3.5mm Stereo Mini-jack], 1x RS232 [Phoenix jack], 1x Service [Mini-USB jack]
Output interface	1x HDMI Type A [19-pin female], 1x IR INPUT [3.5mm Stereo Mini-jack]
Housing	Metal Enclosure
Color	Black
Dimensions	157mm [W] x90mm [D] x 20mm [H]
Weight	333g
Power Supply	DC 24V/1A (US/EU standards, CE/FCC/UL certified), POC
Power Consumption	24W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C (0.4lb)
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)
Transmission distance (Over CAT6 cable)	70 meters: 1080P @60Hz36bit; 3D1080P@30Hz36bit; 40 meters: 1080P @60Hz@48bit; 1080P @120Hz@24bit; 3D1080P@60Hz@36bit; 4K x 2K@30Hz@24bit. 4K2K@50/60Hz (YUV420), 4K2K@50/60Hz (YUV444)

Diagram