CR-uCAT5 WP70T
Wall Plate 4K HDBaseT transmitter

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Product overview

CR-uCAT5 WP70T HDBaseT Wall-plate Transmitter can transmit up to 4K2K@60 (4:4:4) video over a single CAT6/6a/7 cable up to 130ft/40m or 1080p up to 230ft/70m. It supports Power over Cable(PoC) functionality that allows for greater flexibility in installations. It also supports two-way IR and RS-232.

CR-uCAT5 WP70T 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 compliant
- Resolution up to 4K2K@60Hz(4:4:4), 4K2K@30Hz, 1080p@120Hz
- Support 7.1 channels HD audio
- HDBaseT over a single CAT 6/6a/7 cable up to 230ft/70m distance
- Two-way IR and RS-232
- PWR/LINK/HDCP indicators
- POC (Power Over Cable) function is supported, either TX or RX is powered by 24V1A 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 WP70T
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 WP70T
Input interface	1x HDMI Type A [19-pin female], 1x IR INPUT [Phoenix jack], 1x RS-232 [Phoenix jack]
Output interface	1x HDBaseT Out [RJ45], 1x IR OUTPUT [Phoenix jack], 1x RS-232 [Phoenix jack]
Housing	Plastic-Front Panel, Metal-Rear Case
Color	White-Front Panel, Black-Rear Case
Dimensions	103.5mm [W] x 46mm [D] x 30mm [H]
Weight	163g
Power Supply	DC 24V/1A (US/EU standards, CE/FCC/UL certified), POC
Power Consumption	9W (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)

Diagram

≤70m(POC)

CR-uCAT5 WP70T
Wall plate transmitter

CR-uCAT5 HDMI 70R
HDMI receiver

Blu-ray DVD

Desktop computer

Infrared receiver

Remote controller

Infrared sender

DC 24V   Projector

Desktop computer

Infrared sender

Infrared receiver   Remote controller

Power   HDMI   ETHERNET   IR 1   IR 2   RS-232