



WP-70HDBT/R

The 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.

FEATURE

- HDMI 2.0b 18Gbps, HDCP 2.2 / 1.4 compliant
- up to 4K2K@60Hz(4:4:4), 4K2K@30Hz, 1080p@120Hz
- up to 7.1 channels HD audio
- HDBaseT™ over a single CAT 6/6a/7 cable up to 230ft/70m distance
- One HDMI input, 1 Gang US Wall Plate
- Two-way IR and RS-232
- 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.

SPECIFICATION

Technical

HDMI Compliance:	HDMI 2.0b
HDCP Compliance:	HDCP 1.4 and HDCP 2.2
Video Bandwidth:	18Gbps
Video Resolution:	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space:	RGB/YCbCr 4:4:4, YCbCr 4:2:2
Color Depth:	10-bit, 12-bit
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)

Connection

Transmit:

Inputs:	1x HDMI [Type A, 19-pin female], 1x IR INPUT [Phoenix jack] 1x RS-232 [Phoenix jack]
Outputs:	1x HDBaseT Out [RJ45], 1x IR OUTPUT [Phoenix jack] 1x RS-232 [Phoenix jack]

Receive:

Inputs:	1x HDBaseT In [RJ-45, 8-pin female]
Output:	1x HDMI Out [Type A, 19-pin female], 1x Audio Out [3.5mm Stereo Mini-Jack]
Control Ports:	1x IR In [3.5mm Stereo Mini-Jack], 1x IR Out [3.5mm Stereo Mini-Jack] 1x RS-232 [Phoenix Jack], 1x Service [Mini-USB, Update port]

Mechanical

Transmit:

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:	Input: AC100 - 240V 50/60Hz, Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption:	9W (Max)
Operation Temperature:	32°F - 104°F / 0°C - 40°C
Storage temperature:	-4°F - 140°F / -20°C - 60°C
Relative Humidity:	20 - 90% RH (no condensation)

Receive:

Housing:	Metal Enclosure
Color:	Black
Dimensions:	140mm [W] x 65mm [D] x 18mm [H]
Weight:	249g
Power Supply:	Input: AC 100 - 240V 50/60Hz Output: DC24V/1A [Locking connector]
Power Consumption:	9.36 W
Operation Temperature:	32 - 104°F / 0 - 40°C
Storage temperature:	-4 - 140°F / -20 - 60°C
Relative Humidity:	20 - 90% RH (no condensation)

