

WHBT-HD11-70M

HDMI Wallplate HDBaseT Extender 70M



WHBT-HD11-70M
TX

This HDMI Wall-plate supports one HDMI input and analog audio input within a standard 86mm×86mm wall box. The HDBaseT port over a single CAT6/6a cable can extend transmission distance up to 230ft / 70m for 1080P signal or 131ft / 40m for 4K signal. The video resolution is up to 4K@60Hz 4:4:4.

Transmitter supports audio embedding and receiver supports audio de-embedding.

The product supports two-way IR and RS-232 signal control, EDID management and POC function.



WHBT-HD11-70M
RX

Features

- HDMI 2.0b and HDCP 2.2 compliant
- Support video resolution up to 4K2K@60Hz (4:4:4), 18Gbps video bandwidth
- Transmission distance can be extended up to 230ft / 70m for 1080P signal or 131ft / 40m for 4K signal via a single CAT6/6a cable
- Transmitter supports audio embedding, Receiver supports audio de-embedding
- Support two-way IR and RS-232 control
- Standard 86mm×86mm wall box
- Built-in POC switches, when POC switches of TX turned on, the Extender supports bidirectional 24V POC function, either TX or RX can be powered by 24V1A power supply.

Technical specification

	TX	RX
Input:	1 x HDMI [Type A, 19-pin female] 1 x Audio [3.5mm Stereo Mini-jack]	1 x HDBT IN [RJ45]
Output:	1 x HDBT [RJ45] 1 x HDMI Out [Type A, 19-pin female] 1 x AUDIO Out [3.5mm Stereo Mini-jack]	
Control:	1 x RS-232 [3pin-3.5mm Phoenix connector] 1 x IR In [3.5mm Stereo Mini-jack] 1 x IR Out [3.5mm Stereo Mini-jack] 1 x Service [Micro USB]	1 x RS-232 [3pin-3.5mm Phoenix connector] 1 x IR In [3.5mm Stereo Mini-jack] 1 x IR Out [3.5mm Stereo Mini-jack] 1 x Service [Micro USB]
HDMI Compliance:	HDMI 2.0b	
HDCP Compliance:	HDCP 2.2	
HDMI Video Bandwidth:	18Gbps	
HDMI Video Resolution:	Up to 4K@60Hz 4:4:4	
Color Space:	RGB, YCbCr 4:4:4 / 4:2:2, YCbCr 4:2:0	
Color Depth:	8/10/12bit	
HDR:	HDR, HDR10, HDR10+, Dolby Vision, HLG	
IR Level:	5Vp-p	
IR Frequency:	Wideband 20K-60KHz	
Audio Format:	HDMI: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD Analog: PCM 2.0	
Transmission Distance:	1080P--70m, 4K --40m (CAT6/6a)	
ESD Protection:	Human body model: ±8kV (Air-gap discharge) & ±4kV (Contact disc charge)	
Housing:	Aluminium Enclosure — Front Panel Metal Enclosure — Rear Panel	Metal Enclosure
Power Supply:	Input: AC100 - 240V 50/60Hz, Output: DC 24V/1A	
Power Consumption:	9W	
Operating Temperature:	32 - 104°F / 0 - 40°C	
Storage Temperature:	-4 - 140°F / -20 - 60°C	
Relative Humidity:	20 - 90% RH (no condensation)	
Dimension(W*D*H):	86mm x 38mm x 86mm	115.5mm x 65.5mm x 17.3mm
Weight:	185g	202g

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Typical applications

Any integration that requires multi format inputs over a long distance or requires HDBT outputs.

• Schools (Classroom, Lab, Hall etc.) • Churches • Corporate Applications (Board Room, Function Room etc) • Rental

Diagram

