

HDB10x-4K-150 HDBaseT Extender



HDB100-4K-150-TX



HDB101-4K-150-RX



HDB102-4K-150-RX

This 18Gbps HDMI Extender can connect one source and extend the signal to up to two displays, support video resolution up to 4K2K@60Hz 4:4:4. It is designed with 1 HDMI loop output and 1 HDBaseT output at Extender Transmitter. The HDMI signal transmission distance can be extended up to 120 meters at the resolution of 4K2K@60Hz, or 150 meters at 1080P@60Hz via a single CAT6a cable.

Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth and video resolution up to 4K2K@60Hz 4:4:4
- Support HDR, HDR+, HLG and Dolby vision
- Support 1 HDMI input, 1 HDMI loop output and 1 HDBaseT outputs at the Extender Transmitter
- Support digital and analog audio de-embedded output at Receiver
- Support image import and display time configure via Web GUI
- Support user-defined screen output in defined time if no video signal at transmitter input
- Support up to 7.1CH HD audio, Bi-directional IR, RS232, CEC pass-through
- Support two-way POC function (either from transmitter to receiver or from receiver to transmitter)
- Support firmware upgrade for add-on feature

Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	594MHz/18Gbps
Video Resolution	Up to 4k2k@60Hz 4:4:4
Color Depth	8-bit,10-bit,12-bit (1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit,10-bit,12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0)
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 /4:2:0
HDR	Support HDR, HDR10+, HLG, Dolby vision
HDMI Audio Formats	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 Audio Formats	PCM 2.0CH
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
Transmitter Input	1x HDMI Type A (19-pin female)
Transmitter Output	1x HDMI Type A (19-pin female) 1x HDBaseT OUT [RJ45]
Transmitter Control	1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 (3-pin phoenix connector) 1x SERVICE [Mini-USB, Update port]
Receiver Input	1x HDBaseT IN [RJ45]
Receiver Output	1x HDMI Type A [19-pin female] (HDB101-4K-150 RX) 2x HDMI Type A [19-pin female] (HDB102-4K-150 RX)
Receiver Control	1x AUDIO OUT [3.5mm Stereo Mini-jack] 1x RJ45 Network Port 1x IR IN [3.5mm Stereo Mini-jack] 1x IR OUT [3.5mm Stereo Mini-jack] 1x RS-232 [Phoenix jack] 1x SERVICE [USB C, Update port]



Specifications

Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	Transmitter: 140mm (W) × 65mm (D) × 18mm (H) Receiver: 165mm (W) × 88mm (D) × 20mm (H) (HDB101-4K-150-RX & HDB102-4K-150-RX)
Weight	Transmitter: 250g Receiver: 350g ((HDB101-4K-150-RX); 400g (HDB102-4K-150-RX)
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	10W
Operation Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	20~90% RH (non-condensing)

Order Code:

- HDB101-4K-150 HDBaseT Extender Transmitter with one-HDMI-output Receiver
- HDB102-4K-150 HDBaseT Extender Transmitter with two-HDMI-output Receiver**
- HDB100-4K-150-TX HDBaseT Extender Transmitter only
- HDB101-4K-150-RX HDBaseT Extender one-HDMI-output Receiver only
- HDB102-4K-150-RX HDBaseT Extender two-HDMI-output Receiver only**