

HDMI HDBaseT Extender, 100m with ARC



Main Features

- HDMI 2.0b, HDCP 2.2 Compliant
- Up to 4K/60Hz with 24bit RGB/YCbr 4:4:4
- 18Gbps Zero Latency (Uncompressed)
- HDR, HDR10, HDR10+ and Dolby Vision pass through
- LPCM 7.1CH, Dolby True HD and DTS-HD Master Audio
- Up to 100m using CAT6/6a cable
- Supports ARC to Transmitter
- Two way IR and Full Duplex RS232
- Receiver Supports Audio Extraction
- Power over Cable (PoC)

This 18Gbps HDMI Extender extends high definition video, audio, bi-directional IR, RS-232 and LAN signals. The supported transmission distance is up to 131ft / 90 meters for 4K2K@60Hz 4:4:4 resolution and 230ft / 100 meters for 1080P60Hz resolution between transmitter and receiver via a single CAT 5e/6 cable.

The transmitter supports ARC (audio return channel) and local audio extraction. In addition, the extender is equipped with bi-directional IR pass-through which allows for source and display control. It also supports PoC (power over cable).

The extender includes two units, transmitter and receiver. The transmitter captures and transmits the input signals over one cost effective Cat5e/6 cable. The receiver receives the incoming signals and presents them as outputs for your devices.

This extender offers the most convenient solution for HDMI extension via a single Cat5e/6 with long distance capability, and is the perfect solution for any application.

Specifications

Connections			
Transmitter	Input:	1 x HDMI Type A (19-Pin Female)	
		Output:	1 x HDBaseT (RJ45 Data Socket)
	1 x L/R Stereo Audio (3.5mm Jack Socket)		
	1 x SPDIF (Optical)		
	1 x 1G LAN, (RJ45 data socket)		
	Control:	1 x IR IN (3.5mm Jack Socket)	
		1 x IR Out (3.5mm Jack Socket)	
		1 x RS232 (Phoenix Terminal)	
		1 x Service (Mini-USB)	
	Receiver	Input:	HDBaseT (RJ45 Data Socket)
			1 x SPDIF (Optical)
		Output:	1 x HDMI Type A (19-Pin Female)
1 x 1G LAN, (RJ45 data socket)			
Control:		1 x IR IN (3.5mm Jack Socket)	
		1 x IR Out (3.5mm Jack Socket)	
		1 x RS232 (Phoenix Terminal)	
		1 x Service (Mini-USB)	
Technical			
HDMI		HDMI 2.0b / DVI 1.0	
HDCP Compliance	HDCP 2.2 / HDCP 1x		
HDMI in/out Video Resolutions	4K2K 50/60Hz 4:4:4		
	4K2K 50/60Hz 4:2:0		
	4K2K 30Hz 4:4:4		
	1080p, 1080i, 720p, 480p, 480i		
	All PC resolutions including 1920 x 1200		
Colour Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0		
Colour Depth	8-bit, 10-bit, 12-bit, [1080p, 4K/30Hz, 4K/60Hz (YCbCr 4:2:0) 8-bit [4K/60Hz (YCbCr 4:4:4)]]		
HDMI Audio Formats	PCM 2.0 / 5.1 / 7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS HD Master Audio, DSD		
HDR Formats	HDR10, HDR10+, Dolby Vision		
L/R Audio Formats	LPCM 2.0CH. Note: If ARC is enabled the audio port will mute		
Power			
Power Supply	Input:	100~240V 50/60Hz	
	Output:	DC 24V / 1A	
Power Consumption	13W (max)		
Operating Temperature	0°C ~ 40°C		
Storage Temperature	-20°C ~ 60°C		
Relative Humidity	20~90% RH (non-condensing)		
Mechanical			
Housing	Metal Enclosure, colour black		
Dimensions	TX & RX = (W) 165 x (D) 88 x (H) 20mm		
Weight	TX = 170g and RX = 165g		