



## 18Gbps HDMI over CAT Extender 70 meters ARC Two way IR

Experience seamless and uncompressed long-distance transmission with our 18Gbps HDMI Extender. Extend HDMI HD signal and IR control signal up to 230ft / 70m using just a single CAT6/6a cable, ensuring zero-delay performance. Enjoy stunning video resolution up to 4K2K@60Hz and benefit from the EDID copy pass-through function, seamlessly syncing source device and display settings. Plus, with POC function support, this extender is perfect for multi-media conference halls, TV teaching, and large-screen displays.

### Feature Highlights

- HDMI 2.0b and HDCP 2.2 compliant
- Supports 18Gbps video bandwidth
- Supports video resolution up to 4K2K@60Hz RGB/YCBCR 4:4:4
- Transmission distance can extend up to 230ft / 70m via a single CAT6/6a cable
- HDR support: HDR, HDR10, HDR10+, Dolby Vision, HLG
- Bi-directional IR control signal pass-through
- Audio formats supported: LPCM 7.1, Dolby True HD, DTS HD Master
- EDID copy pass-through function between the source device and display device
- ARC and audio de-embedding support; audio output through the optical fiber port of the receiver
- Bi-directional POC (Power over Cable) function supported
- Compact design for easy and flexible installation

## TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz RGB/YCbCr 4:4:4
IR Level	5Vp-p
IR Frequency	Wideband 20K-60KHz
Transmission	4K2K@60Hz 4:4:4--70m, 1080P--70m (CAT6/6a cable)
Distance	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Space	8/10/12bit
Color Depth	HDR, HDR10, HDR10+, Dolby Vision, HLG
HDR	20W (Max)
Audio Formats	<b>HDMI:</b> LPCM 7.1CH, Dolby True HD, DTS-HD Master <b>Optical:</b> Dolby 5.1, DTS 5.1, PCM 2.0

## MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 90mm (W)×68mm (D)×18mm (H)
Weight	Transmitter: 160g, Receiver: 155g
Power Supply	DC 24V/1A; Support bi-directional POC function
Power Consumption	3.36 W (max)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

## CONNECTION

Transmitter	Input: 1×HDMI IN [Type A, 19-pin female] Output: 1×HDMI OUT [RJ45] 1×CAT OUT [RJ45] Control: 1×SERVICE [Micro-USB jack] 1×IR IN [3.5mm Stereo Mini-jack] 1×IR OUT [3.5mm Stereo Mini-jack]
-------------	---

## CONNECTION

Receiver	Input: 1×CAT IN [RJ45] Output: 1×HDMI OUT [Type A, 19-pin female] 1×TOSLINK Control: 1×SERVICE [Micro-USB jack] 1×IR IN [3.5mm Stereo Mini-jack] 1×IR OUT [3.5mm Stereo Mini-jack]
----------	---

## Classic Application Example

