

SC-EXT4K-70M-C

4K Extender

Model Number:#220520231025



Features

- HDMI2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz RGB/YCBCR 4:4:4
- The transmission distance can be extended up to 230ft/ 70m via a single CAT6/6a cable
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG
- Support bi-directional IR control signal pass-through
- Audio formats: LPCM 7.1, Dolby True HD, DTS HD Master
- EDID copy pass-through function between the source device and display device
- Support bi-directional POC (Power over Cable) function
- Compact design for easy and flexible installation

Product Overview

The 4TheWall 18Gbps HDMI Extender is a high-performance solution designed to extend HDMI HD video signals and IR control signals over long distances using a single CAT6/6a cable. With support for zero-delay, uncompressed transmission, and video resolutions up to 4K2K@60Hz, this extender delivers exceptional video quality for a variety of professional applications. It supports EDID pass-through and POC (Power over Cable) functionality, ensuring seamless integration and simplified setup.

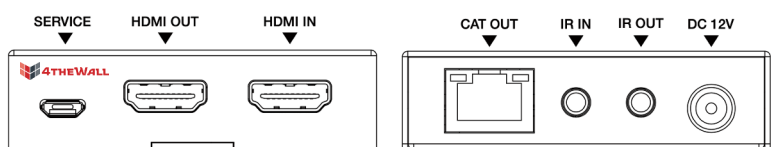
- **Long-Distance HDMI Signal Extension:**
 - **Extends HDMI and IR Signals Up to 230ft / 70m:** Capable of transmitting HDMI HD signals and IR control signals over a distance of up to 230ft (70m) via a single CAT6/6a cable, ideal for large spaces where direct HDMI cabling is impractical.
 - **Zero-Delay, Uncompressed Transmission:** Ensures uncompressed, zero-delay transmission between the transmitter and receiver, providing real-time, high-quality video with no signal degradation.
- **Supports Up to 4K2K@60Hz:** Delivers superior video quality with resolutions up to 4K2K@60Hz, ensuring crisp and clear visuals for applications requiring high-definition output.
- **EDID Copy Pass-Through:**
 - **Seamless EDID Communication:** Supports EDID copy pass-through functionality, allowing the source device to communicate display capabilities directly with the display device, ensuring optimal video performance and compatibility.
- **POC (Power Over Cable) Support:**
 - **Single-Cable Power Supply:** The extender supports Power Over Cable (POC), allowing both the transmitter and receiver to be powered through a single CAT6/6a cable, simplifying installation and reducing the need for additional power sources.

Applications

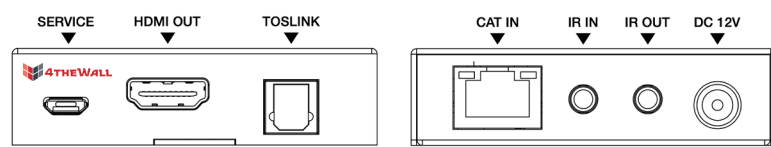
- **Multi-Media Conference Halls:** Ideal for extending HDMI and IR signals across large conference spaces, ensuring high-quality video output for presentations and meetings.
- **TV Teaching and Learning Environments:** Perfect for extending video signals in educational settings, providing seamless transmission to large screens for enhanced learning experiences.
- **Large-Screen Displays and Digital Signage:** Suitable for digital signage and large-screen display setups where long-distance signal extension is required for maintaining high-quality visuals.

The **4TheWall 18Gbps HDMI Extender** is a reliable and versatile solution for extending HDMI signals over long distances without compromising on quality or performance. Its support for zero-delay transmission, high-resolution video, and POC functionality make it an ideal choice for professional AV installations in conference halls, educational environments, and large display applications.

Transmitter



Receiver





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Technical Specifications

Input and Output

Inputs (TX)	1 x HDMI Type A (19-pin female), 1 x IR In (3.5mm stereo mini-jack), 1 x Micro-USB
Outputs (TX)	1 X HDMI Out (RJ45), 1 x CAT Out (RJ45), 1 x IR Out (3.5mm stereo mini-jack)
Inputs (RX)	1 x CAT In (RJ45), 1 x IR In (3.5mm stereo mini-jack), 1 x Micro-USB
Outputs (RX)	1 x HDMI Type A (19-pin female), 1 x TOSLINK, 1 x IR Out (3.5mm stereo mini-jack)

Technical Features

Video Resolution	Up to 4K2K@60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats	HDMI: LPCM 7.1CH, Dolby True HD, DTS-HD Master Optical: Dolby 5.1, DTS 5.1, PCM 2.0
IR Frequency	20KHz-60KHz
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG

Management Features

Hardware Software Upgrade	Micro USB
Management Options	N/A

General Features

Power Connection	12V DC 1A ; Support bi-directional PoC
Working Temperature	32 - 104°F / 0 - 40°C
Humidity Range	20 - 90% RH (no condensation)
Storage Temperature	-4 - 140°F / -20 - 60°C
Dimensions	90mm × 68mm × 18mm - Width/Depth/Height , Metal Enclosure
Weight	Transmitter: 160g, Receiver: 155g
Power Value	3.36W (max)
Mounting	Desktop / Rack Mount kit

Certifications

EU/USA	CE/FCC/UL
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Package Details

Package Content	<ul style="list-style-type: none"> 1 x 18Gbps HDMI Extender (Transmitter) 1 x 18Gbps HDMI Extender (Receiver) 1 x IR Blaster cable (1.5 meters) 1 x IR Wideband Receiver cable (1.5 meters) 5 4 x Mounting Ears 8 x Machine Screws (KM3*4) 1 x 12V/1A Locking Power Adapter 8 1x User Manual
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