

SC-EXT4K100M-C

EXTENDER

Model Number:#2308261700



Features

- Supports bi-directional PoC (Power over Cable)
- Compact design for easy and flexible installation
- HDMI 1.4b and HDCP 1.4 compliant
- Video resolution up to 4K@30Hz RGB/YCbCr 4:4:4
- Support 10.2Gbps video bandwidth
- Signal transmission distance can be extended up to 328ft / 100m via CAT6/6A cable
- Zero-latency and uncompressed signal transmission
- Supports HDMI 3D video formats
- Supports bi-directional IR pass-through
- Supports CEC pass-through
- Supports LPCM 2.0CH, Dolby Digital 5.1, Dolby Digital Plus 7.1 and DTS 5.1 audio
- Supports EDID copy and pass-through between the source and display devices
- Supports bi-directional PoC (Power over Cable)
- Compact design for easy and flexible installation
- 24/7 stability and working

Product Overview

The **4TheWall 4K HDMI Extender** is a professional AV extension solution designed to transmit high-definition HDMI video, multi-channel audio and IR control signals over distances of up to 100m / 328ft using a single CAT6/6A cable.

Supporting resolutions up to 4K@30Hz, 1080p@60Hz and 1920×1200@60Hz, the extender delivers uncompressed video without perceptible latency. Its 10.2Gbps video bandwidth ensures reliable transmission of high-definition content between remotely located source and display devices.

The extender supports HDMI 3D video formats together with LPCM, Dolby Digital and DTS audio formats, making it suitable for a wide range of professional AV and multimedia applications.

EDID copy and pass-through functionality helps maintain compatibility between the source and display devices by transferring the display's video and audio capabilities to the source. Bi-directional IR pass-through enables connected equipment to be controlled remotely from either end of the system.

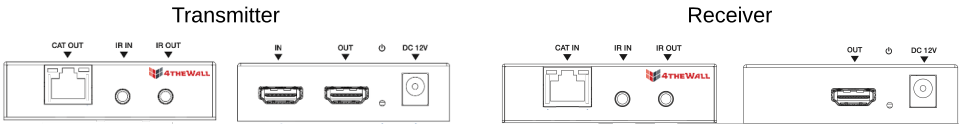
With bi-directional PoC technology, both the transmitter and receiver can be powered using a single power adapter. This reduces additional power cabling and provides a cleaner, simpler and more flexible installation.

- **4K@30Hz Video Transmission:** Delivers Ultra HD video at resolutions up to 4K@30Hz for clear and detailed image reproduction.
- **100m HDMI Extension:** Extends HDMI video and audio signals up to 100m / 328ft over a single CAT6/6A cable.
- **Zero-Latency Transmission:** Transfers uncompressed HDMI signals without perceptible delay, making the system suitable for real-time AV applications.
- **10.2Gbps Video Bandwidth:** Provides the bandwidth required for reliable transmission of 4K@30Hz and Full HD content.
- **Full HD and PC Resolution Support:** Supports 1080p@60Hz and 1920×1200@60Hz for compatibility with professional displays, projectors and computer-based AV systems.
- **HDMI 3D Support:** Passes compatible HDMI 3D video formats between the source and display devices.
- **Bi-Directional IR Control:** Allows compatible source and display devices to be controlled remotely from either end of the installation.
- **EDID Copy and Pass-Through:** Transfers display capability information to the source device, helping optimize video resolution and audio format compatibility.
- **Multi-Channel Audio Support:** Supports LPCM 2.0CH, Dolby Digital 5.1, Dolby Digital Plus 7.1 and DTS 5.1 audio formats.
- **Bi-Directional PoC:** Powers both the transmitter and receiver through the CAT cable using a single power adapter, simplifying installation.

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Technical Specifications

Input and Output	
Transmitter	1× HDMI1.4b Input 1× IR IN [3.5mm audio jack] 1× HDMI1.4b Output 1× IR OUT [3.5mm audio jack] 1× CAT OUT [RJ45]
Receiver	1× CAT IN [RJ45] Input 1× IR IN [3.5mm audio jack] 1× HDMI1.4b Output 1× IR OUT [3.5mm audio jack]
Inputs Resolution	Up to 4K@30Hz 4:4:4
HDCP Compliance	HDCP 1.4
General Features	
Video Bandwidth	10.2Gbps
Color Space	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
IR Bandwidth and Level	Wideband 20k-60kHz - 5Vp-p
Color	8/10/12bit
Audio Formats	LPCM 2.0, Dolby 5.1, DD+7.1, DTS 5.1
Transmission Distance	100m/328ft for 4K@30Hz over CAT6/6A cable
Others	
Power Connection	DC 12V/1A
Working Temperature	32 - 104°F / 0 - 40°C
Humidity Range	Working: 20%~80% (relative humidity, non-condensing) Storage: 10%~90% (relative humidity, non-condensing)
Storage Temperature	-4 - 140°F / -20 - 60°C
Dimensions	Transmitter/Receiver: 74mm (W) × 68mm (D) × 20mm (H)
Weight	Transmitter: 162g; Receiver: 159g
Power Value/Consumption	3.24W (Max)
Mounting	Desktop (Metal Enclosure and Black), optional rack mount kit
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Compliance	
EU/USA	CE/FCC/UL DoC document
Package Details	
Package Contents	1× 4K30 HDMI™ Extender (TX) 1× 4K30 HDMI™ Extender (RX) 1× IR Blaster Cable (1.5m) 1× IR Wideband Receiver Cable (1.5m) 1× 12V/1A Multinational Locking Power Supply 1× QR Code for User Manual