



Monoprice™

4K60 Video Extender with HDMI® and IR Control, Up to 70m Over a Single Cat5e/6/6A Cable

Extend 4K HDMI video and IR signals up to 70 meters over Ethernet cable

Extend your Ultra HD 4K HDMI®-equipped display device over standard Ethernet cable up to 230 feet, with zero latency.

The 4K60 Video Extender with HDMI enables the transmission of Ultra HD video signals and IR control signals up to 70 meters over a single Cat5e, Cat6, or Cat6A cable. The high-resolution, uncompressed video makes it an ideal solution for extending displays in A/V systems, where the receiver and video components are mounted in separate areas. Additionally, it is highly effective for use in digital signage systems, such as restaurant menu boards, hospitality displays, educational facilities, and corporate conference rooms.

This device facilitates the transmission of stunning 4K video and audio signals up to 70 meters with zero latency and uncompressed quality. It supports resolutions up to 4K60Hz 4:4:4, delivering vibrant color and exceptional clarity, thereby enhancing the viewing experience.

Furthermore, the EDID® copy pass-through function simplifies device and display compatibility. The extender also features bi-directional IR, which allows equipment control from either end and PoC (Power-over-Cable), reducing cable clutter and providing convenient power distribution.

Enhance your audiovisual setup with this reliable and high-performance technology.

- Extend 4K HDMI® video up to 70 meters over a Cat5e/6/6A cable
- Supports full 4K60Hz resolution at 12-bit 4:4:4 and HDCP™ 2.2 as specified in HDMI 2.0b
- 18 Gbps bandwidth supporting up to 4K60
- Supports HDR, HDR 10
- LPCM, Dolby Atmos/Digital/Plus/Ex, Dolby True HD, DTS, DTS-HD Master Audio
- Pass-through EDID ensures seamless compatibility between sources and displays
- Bi-directional IR control signal pass-through
- Supports PoC (Power-over-Cable) function from Transmitter to Receiver



Up to 70m



GOING THE DISTANCE

The extender offers an impressive transmission distance of up to 70 meters / 230 feet, ensuring reliable signal delivery without any noticeable latency. It combines advanced technology, such as uncompressed transmission and EDID copy pass-through, to provide a seamless extender solution.

VIVID VIDEO

Enjoy stunning video quality with support for up to 4K2K60Hz resolution, HDR, and HDR10. The extender supports various video codecs, including RGB/YCbCr 4:4:4, and offers a wide range of color spaces and color depths for vibrant and lifelike visuals.

IMMERSIVE AUDIO

Experience true high-quality audio with support for LPCM 7.1, Dolby True HD, DTS-HD Master, Dolby 5.1, DTS 5.1, and PCM 2.0 audio formats. The extender also features ARC to SPDIF audio extraction.

Full Specs

		Spec Type	Spec Value	
		P/N	48142 Receiver	48142 Transmitter
Video Input	Interfaces		N/A	1x HDMI Type-A Female
	Max. Distance		N/A	3 meters
Video Output	Interfaces		1x HDMI Type-A Female	N/A
	Max. Distance		3 meters	N/A
Video	Max. Data Rate		18 Gbps	18 Gbps
	Compliance		HDMI (3D, Deep Color, 4K) HDCP 2.2 Compatible	HDMI (3D, Deep Color, 4K) HDCP 2.2 Compatible
	Max. Resolution		3840 × 2160 @ 60 Hz (4:4:4)	3840 × 2160 @ 60 Hz (4:4:4)
	Max. Resolutions / Distance		Up to 70 m @ 4K (Cat 5e/6/6A)	Up to 70 m @ 4K (Cat 5e/6/6A)
Audio	Input		N/A	1x HDMI Type-A Female
	Output		1x HDMI Type-A Female	N/A
	HDMI Audio Formats		LPCM 2ch, LPCM 5.1ch, LPCM 7.1ch, Dolby Digital 2ch, Dolby Digital 5.1ch, DTS 2ch, DTS 5.1ch, DTS 96/24 5.1ch	LPCM 2ch, LPCM 5.1ch, LPCM 7.1ch, Dolby Digital 2ch, Dolby Digital 5.1ch, DTS 2ch, DTS 5.1ch, DTS 96/24 5.1ch
Connectors	Unit To Unit		1x RJ45 Female	1x RJ45 Female
	Power		None	1x DC Jack
	IR		1x 3.5 mm Female (IR input) 1x 3.5 mm Female (IR output)	1x 3.5 mm Female (IR input) 1x 3.5 mm Female (IR output)
Power Consumption			DC 12 V, 4 W (Max)	DC 12 V, 4 W (Max)
Environmental	Operating Temperature		23 °F ~ 131 °F (-5 °C ~ 55 °C)	23 °F ~ 131 °F (-5 °C ~ 55 °C)
	Storage Temperature		-13 °F ~ 158 °F (-25 °C ~ 70 °C)	-13 °F ~ 158 °F (-25 °C ~ 70 °C)
	Humidity		10 - 90% RH, Non-Condensing	10 - 90% RH, Non-Condensing
Physical Properties	Housing		Plastic	Plastic
	Weight		2.5 oz (70 g)	2.5 oz (70 g)
	Dimensions (L x W x H)		3.1" × 0.6" × 3.1" (80 mm × 16 mm × 80 mm)	3.1" × 0.6" × 3.1" (80 mm × 16 mm × 80 mm)
	Packaging Method		Corrugated Box	



PACKAGE CONTENTS

- 1x 4K Video Transmitter
- 1x 4K Video Receiver
- 1x IR Emitter
- 1x IR Receiver
- 2x Velcro Strips
- 1x Power Adapter (12V DC, 1A)
- 1x User Manual