

38205

18G HDMI & IR CAT.6 EXTENDER, 50M

This HDMI® 4K60 & IR Cat.6 Extender is a reliable and efficient solution for transmitting HDMI® 4K signals up to 50 m (164.04 ft) using a standard Cat.5e/6 network cable. It supports HDMI® 2.0 18G specifications for high-resolution 4K Ultra HD video. It supports HDR (High-Dynamic Range) video content for brighter images with improved contrast and a wider color gamut, making it ideal for home cinema or digital signage installations.

HDCP 2.2 compatibility ensures playback of protected signals from sources such as Blu-Ray players, media players, set-top boxes, etc. It supports lossless multi-channel audio formats like Dolby TrueHD and DTS-HD for faithful reproduction of both video and audio.

The transmitter features an HDMI output for local monitoring, providing additional flexibility for various scenarios, such as control rooms or creating a second zone for displaying multimedia presentations. The EDID selector allows copying EDID data from a chosen display to optimize signal output.

The PoC function (Power over Cat.6) transfers power via the Cat.6 cable in a point-to-point setup, requiring only one power supply to power both units. Pass-through IR allows the source to be controlled from the remote location using its remote control.

Note: This product cannot operate in combination with other active network devices; it requires a direct point-to-point connection.

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PRODUCT DETAILS

KEY FEATURES

Extends 18G 4K HDMI® signals up to 50m using a standard network cable

Supports resolutions up to 3840x2160 @60Hz, 4:4:4, 8-bit, with HDR support

HDMI® output on the transmitter for a local display

PoC (Power over Cable), requiring only one power supply

2-year warranty

SPECIFICATIONS

AV Interface	HDMI®
Interface Standard	2.0
Supported Bandwidth	18 Gbps
Maximum Distance	50 m (164.04 ft) Cat.6/7, 30 m (98.42 ft) Cat.5e
Maximum Resolution	3840x2160 @60Hz, 4:4:4, 8-bit
HDCP Support	2.2
EDID Pass-Through	Pass-through
Audio Support	Up to 7.1 (pass-through)
IR Support	20–60 kHz
Transmission Medium	1 x Cat.5e/6 or higher
Chipset	Transmitter
Special Features	PoC (Power over Cable); Pass-through IR; Loop Out
Transmitter Inputs	HDMI® Type-A 19-pin (Female), Micro-USB (Female), DC 12V
Transmitter Outputs	HDMI® Type-A 19-pin (Female), RJ45 (Female), IR (Female)

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Receiver Inputs	RJ45 (Female), IR (Female), Micro-USB (Female)
Receiver Outputs	HDMI® Type-A 19-pin (Female)
Power Input	5.5/2.1 mm
Dimensions (approx. WxDxH)	Transmitter
Housing Material	Metal
Net Weight	Transmitter
Operating Temperature	0°C – 40°C (32°F – 104°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)
Humidity	20–90% RH (non-condensing)
Power Consumption	12V DC, 1A
Color	Black
Unit	Transmitter and Receiver