38174

HDMI 2.0 FIBER OPTIC EXTENDER

38174

This HDMI® & IR Extender allows 4K 60Hz Ultra HD signals to be transmitted over long distances that are not achievable with a standard network cable, using a single LC simplex fiber optic cable. It supports HDMI® 2.0 specifications for high-quality signal transmission at resolutions up to 4K Ultra HD, employing intelligent compression technology that decompresses the signal at the receiver for lossless signal display. It supports HDR (High-Dynamic Range) signals for viewing video content with a wider color gamut, brighter colors, and improved contrast, making it ideal for professional digital signage and retail installations. HDCP 2.2 compatibility ensures playback of protected content, including movies and TV shows, without any issues. Unlike extenders that use copper network cables, fiber optic cables provide immunity to RF and EMI interference, ensuring a stable signal even in critical environments, such as industrial applications with electromagnetic interference.

Its support for very long distances—up to 1000 m—offers excellent flexibility. The transmitter can be connected to various HDMI® sources such as Blu-Ray players, 4K HDR media players, PCs, etc., and placed freely, while the receiver can be positioned near a 4K monitor or projector. The included side mounting brackets allow units to be secured, for example, under a desk or behind a monitor.

It includes bidirectional IR and RS-232 interfaces for source management via the remote control even from a distance and for controlling the monitor from the transmitter, providing full user control. Alternatively, when IR is not used, it supports the transmission of RS-232 serial signals.

HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress, and the HDMI logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

d72399be-0c57-4f15-a8b2-acf266b152cd.jpg 1e9e7ec0-a9dc-47ea-99e6-22aa8b35208e.jpg 1c092e39-8c3d-47af-93d5-e6d28e

Via Enzo Ferrari 10
62017 Porto Recanati (MC), Italy
info@frenexport.it

38174

HDMI 2.0 FIBER OPTIC EXTENDER

PRODUCT DETAILS

KEY FEATURES

- Extends 18G HDMI® signals up to 300m via a multimode LC simplex fiber optic cable or up to 1000 m via a singlemode LC simplex fiber optic cable
- Supports resolutions up to 4K 60Hz Ultra HD with High Dynamic Range (HDR)
- Supports bidirectional IR and RS-232 control signals
- Supports HDCP 2.2 encryption
- 2-year warranty

SPECIFICATIONS

AV Interface	HDMI®
Interface Standard	2.0
Supported Bandwidth	18 Gbps
Maximum Distance	300 m (984.24 ft) – Multimode fiber 50/125 µm; 1000 m (3280.2 ft) – Singlemode fiber 9/125 µm
Maximum Resolution	3840×2160 @60Hz, 4:4:4, 8-bit
HDCP Support	Pass-through
EDID Pass-Through	Pass-through
Audio Support	Pass-through
Separate Audio Ports	3.5 mm
IR Support	20 kHz – 60 kHz
Serial Interface	RS-232 (bidirectional)
Transmission Medium	1 × LC Simplex
Laser Class (fiber only)	1

Via Enzo Ferrari 10
62017 Porto Recanati (MC), Italy
info@frenexport.it

38174

HDMI 2.0 FIBER OPTIC EXTENDER

Wavelength (fiber only)	1310 and 1550 nm (SFP+ modules)
Chipset	SD1503/SD1513
Special Features	Automatic Laser Disable Function
Transmitter Inputs	HDMI® Type-A (Female), 3.5mm Audio (Female)
Transmitter Outputs	LC Simplex, HDMI® Type-A (Female)
Receiver Inputs	LC Simplex
Receiver Outputs	HDMI® Type-A (Female), 3.5mm Audio (Female)
Bidirectional Ports	RS-232 (terminal block), IR (Female)
Power Input	5.5/2.1 mm DC
Dimensions (approx. W×D×H)	100 × 65 × 25.6 mm (3.94 × 2.56 × 1.01 in)
Housing Material	Metal
Net Weight	0.516 kg (1.14 lb)
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	5V DC, 1A
Color	Black
Unit	Transmitter and Receiver

Via Enzo Ferrari 10
62017 Porto Recanati (MC), Italy
info@frenexport.it