

Mini 4K/30Hz HDMI over Single-Core Multimode Fiber Extender

Features

- ▶ Supports HDMI Video up to 4K/30Hz
- ▶ No Settings or Adjustments Necessary
- ▶ Adopt WDM technology to realize high-definition audio and video transmission through a single OM3 multi-mode optical fiber
- ▶ Supports up to 300m Transmission Distance with OM3 multimode fiber
- ▶ Standard HDMI1.4 Connector
- ▶ Integrated USB Connector for Power
- ▶ Low power consumption, only the RX module (Display side) needs external power supply
- ▶ Hot-Pluggable
- ▶ The TMDS signal is transmitted through a multimode optical fiber, which has good anti-interference performance
- ▶ Uses Small, Reliable LC Optical Connector

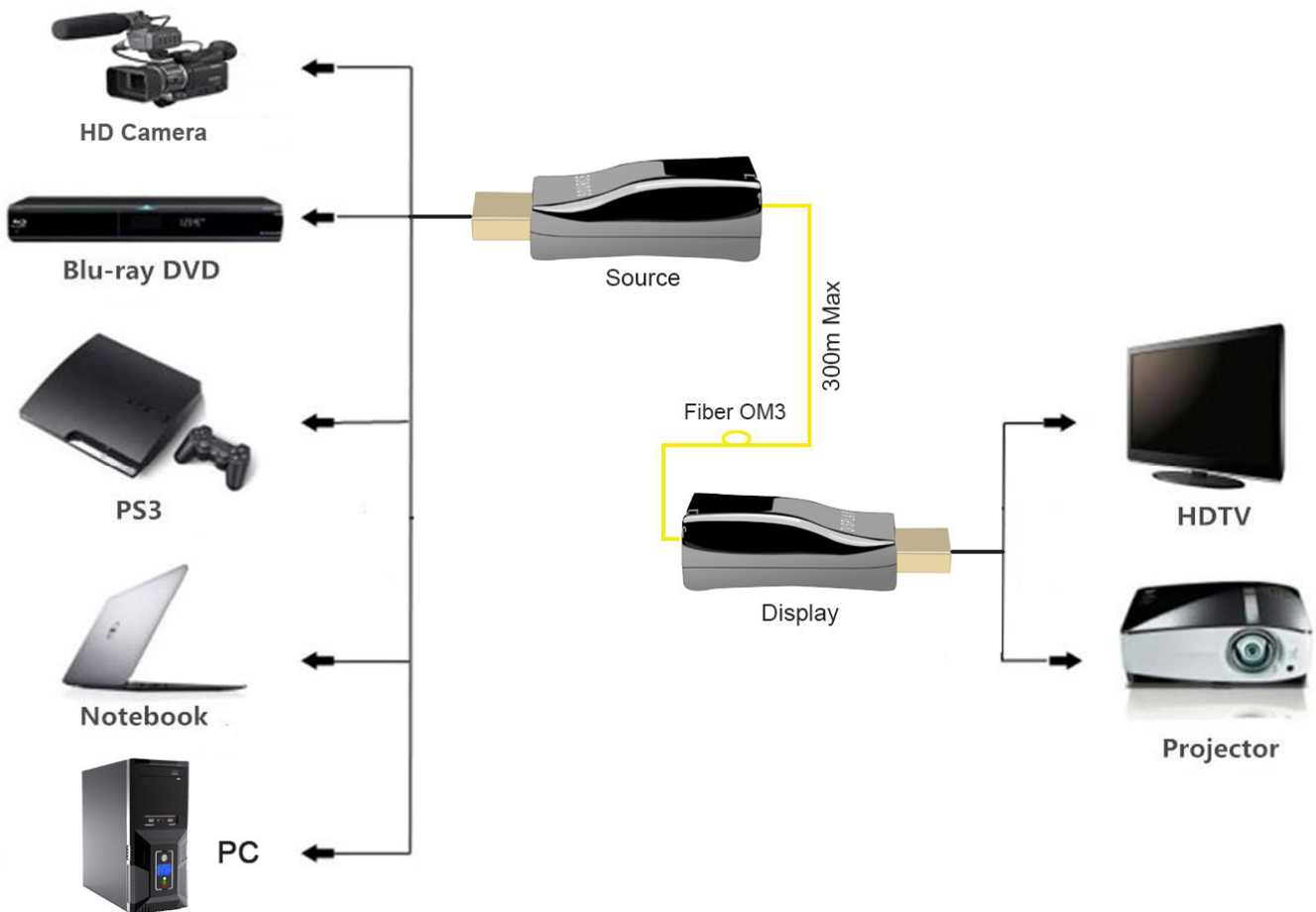


Overview

20113785 is a mini 4K/30Hz HDMI over Single-Core MM compact fiber extender that is pluggable directly into your device. Extend your 4K video source over fiber up to 984ft/300m to your desired display with this incredibly compact set. The set also promotes secure data with negligible RFI/EMI emissions or loss of video quality due to no copper conductor present.

The 4K HDMI optical fiber extenders are enclosed HDMI optical modules designed to support transmission of an uncompressed lossless HDMI 1.4 signal over multimode optical fiber at 850nm, up to distances of 300m, at a resolution of 4Kx2K. 20113785 converts an HDMI signal to a single 10Gb/s serial data stream for transmission over single optical fibers. 20113785 converts the serial data back to an HDMI signal. The transceivers are RoHS compliant and lead-free per requirements in Europe and China. This product is ideal for large-screen display, conferencing systems and home entertainment and so on. The device has the ability of anti-interference, to ensure the stability of the signal.

Application



Technical Indexes

Type of Extender	Mini 4K/30Hz HDMI over Single-Core Multimode Fiber Extender
Input Signals	HDMI
Signal Support	HDMI 1.4 HDMI format standard
Video Support	4K@30Hz/1080p/1080i/720p
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Website Specifications	Color space 444, 420, 400
Fiber Connector	1 x LC Connector
Transmission Rate	10.2Gbps(3.4Gbps/CH)
Transmission Distance	OM3 Multi Mode, up to 984ft (300M)
Operating Temperature	-20° C to + 70° C

Storage Temperature	-40° C to + 85° C
Humidity	to 90% RH (non-condensing)
Safety Approvals	CE, RoHS, FCC
Dimension (WxDxH)	2.24 x 0.6 x 0.55 in (57x16x14mm)
Weight	0.1 kg / 0.22 lb
Operation Voltage	5VDC
Operation Current	TX+RX: 75mA
Power Supply	Power Input +5VDC, 0.85A (Universal Type 50/60Hz, 100~240VAC)
Note	The module does not support HDCP and EDID transparent transmission

Ordering Information

Model	Description
20113785	Mini 4K/30Hz HDMI over Single-Core Multimode Fiber Extender, OM3 Multi-mode Fiber, 300 meters, LC, including 1 transmitter & 1 receiver, used by pairs, USB Power Input