

4K transmission via single-mode fiber optic cable



Overview

HDMI Single-Mode Fiber Converters allows the transport of 12G-SDI or 3G-SDI over distances up to 10km when using standard Single-Mode fiber optic cable with LC connectors. HDMI 12G LC models support video formats all the way up to 4K. Designed for large-scale AV projects, this fiber cable extender supports HDMI 2. With modern 8-/10-bit lossless compression, the EP4 (T) delivers razor-sharp 4Kx2K@60Hz signals, surpassing the. HDMI Extender with Fiber Optic, FVMS-M033, consists of a Transmitter (Host) and a Receiver (Device) unit that allows you to extend 4K HDMI/ Audio/ IR/ RS-232 signals over SC S-M Fiber Optic Cabling. It transmits 4K HDMI video up to 10 kilometers (32800 ft) through a single SC Duplex Single-Mode. The EXT-12G-OPT-TX is a high performance 1-channel 12G/6G/3G/HD/SD-SDI optical transmitter. With its advanced technology, it supports a maximum resolution of 4096 2160 at 30Hz, delivering stunning 4K visual quality for an.



Article Content

Jun 25, 2026

Single-Mode 4K HDMI Extender with Fiber Optic, HDMI

It transmits 4K HDMI video up to 10 kilometers (32800 ft) through a single SC

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12 Core Single Mode Fiber Optic Cable

Shop high-quality 12 core single mode fiber optic cables for reliable communication. Enjoy durable, efficient, and cost-effective solutions for your needs.

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Fiber Optic Terminology & Definitions | Fiber Terms Guide

What is the difference between the fiber cable types single-mode and multimode? In general, singlemode cable types support high-speed networks up to 50 times

Jun 05, 2026

Hdmi Extender over single mode Fiber, Hdmi over Fiber 4K HDMI

The device sends uncompressed HDMI video and audio signals up to 4K over a single-mode fiber, with the ability to support return IR, RS232, or RS485 for added control and communication options

Jul 12, 2025

One Invisible Connection 49" Fiber-Optic Cable

Do away with messy tangled wires with this Samsung One Invisible Connection. The Connect Box allows you to connect your Samsung Q90R TV to multiple devices via a single 49-foot transparent

Jun 05, 2026

Black Box 3.2ft LC-LC OS2 Singlemode Fiber Optic Cable (Aqua)

Buy Black Box 3.2ft LC-LC OS2 Singlemode Fiber Optic Cable (Aqua) at Being Shipped. Enjoy low prices, secure checkout, fast shipping, and free returns.

Mar 06, 2026

Tv box with optical output-AliExpress

A TV box with optical output connects to your TV and sends high-quality audio to external speakers via an optical cable, improving your home theater sound. This guide explains how to choose, set up, and

May 14, 2026

Singlemode Armored Fiber Optic Cable 12 Strand Corning Ultra Os2 ...

This 500-foot Singlemode Armored Fiber Optic Cable features 12 strands of premium Corning SMF-28 Ultra OS2 9/125um fiber, combining low attenuation with high-speed data transmission. Its riser-rated

Jul 31, 2025

Sc To Lc Single Mode FCD

Each fiber optic cable assembly is individually tested and carefully packaged with quality packing materials to ensure safe delivery. 2 Meter OS2 LC LC Fiber Patch Cable | Simplex 9/125 LC to LC

Dec 16, 2025

Creation Networks Extron 60-1600-21 FOX3 SR 201 MM Fiber Optic

Lossless 4K/60 Scaling Receiver - Multimode The Extron FOX3 Matrix 40x provides high-performance switching of 4K/60 video, audio, USB, control, and 3D sync over fiber optic cable. Expandable from

Jan 20, 2026

20M (65.6ft) SC-APC-SC-APC Outdoor Armored Fiber Optic Cable

The Outdoor Armored Fiber Optic Cable Simplex Singlemode 9/125 Jumper Patch Cord is designed to deliver reliable and high-performance optical connectivity in outdoor environments. Built with a

Jan 31, 2026

HDMI Single-Mode Converters

HDMI Single-Mode Fiber Converters allows the transport of 12G-SDI or 3G-SDI over distances up to 10km when using standard Single-Mode fiber optic cable with LC connectors. HDMI 12G LC models

Dec 26, 2025

Fiber Optic Cables in Lagos State for sale Prices on Jiji

Jiji 44+ Fiber Optic Cables for sale in Lagos State From ₦ 400 Gaming & office gear All brands Upgrade your PC today!

Jan 01, 2026

2024 Top 9 Fiber Patch Cables Manufacturers List

These cables play a crucial role in ensuring reliable connections across diverse applications, supporting both high-speed data transmission and

Dec 26, 2025

4K HDMI + IR remote over One Single Mode Fiber

4K HDMI Over one Single Mode Fiber Transmitter and Receiver Kit for long distance signal run with licensed HDCP, embedded IR remote signal transport.

Feb 14, 2026

Buy In Bulk Fiber Optic Termination Box 4k+ | Alibaba

A fiber optic termination box (also known as a fiber distribution box or splice closure) is a vital component in modern fiber optic networks. It serves as a secure enclosure for terminating, splicing,

Jan 02, 2026

12 core multi mode fiber optic cable

Discover our 12-core multi-mode fiber optic cable, ideal for wholesale buyers. Available at an average price around \$60.66, order as few as 1 unit. Perfect for indoor and outdoor applications, this GJFV

Jul 13, 2025

4K@60Hz HDMI Over 1G IP Extender Over 40KM

It supports up to 4K@60Hz video resolution up to 40Km over a single mode fiber optic cable. It utilizes Ip color STREAM technology to ensure high-definition

Oct 18, 2025

4K@60hz HDMI™ Extender (Over 1G IP, Loop, IR)

The UHD-FOM40-K is a professional HDMI extender engineered to transmit uncompressed 4K@60Hz video and audio over ultra-long distances using single-mode fiber optic cable.

May 04, 2026

4K HDMI Fiber Converters Uncompressed, Full HD

Feature: □HDMI over Fiber□- Extend 4K HDMI signal through a Fiber Optic cable to remote transmission, Up to 0.62Miles (10Km) by a single-mode fiber cable.

Jun 24, 2026

PIXELHUE EP4 Singlemode (T) - Fiber Extender

PIXELHUE EP4 Singlemode (T) - Fiber Extender The PIXELHUE EP4 Singlemode (T) is a professional 4K fiber extender that transmits high-resolution video and audio signals over long distances —

Nov 16, 2025

12G-SDI Over Fiber Transmitter

The EXT-12G-OPT-TX is a high performance 1-channel 12G/6G/3G/HD/SD-SDI optical transmitter. It allows the transport of signal up to 4K60 4:2:2 10-bit over distances up to 20km using a single-mode

Sep 30, 2025

Fiber optic cable Market Size, Share & Trends, 2033

The Single-mode fiber (SMF) segment led the fiber mode by capturing a substantial share of the global market in 2024. The growth of the single-mode fiber (SMF) segment is driven by

Jan 14, 2026

OREI 4K@60Hz HDMI Over Fiber Optic Extender 1G

High-Performance 4K Transmission - Supports 4K resolution, SFP, HDMI 2.0, HDCP 1.4/2.2, RS-232 pass-through, and IR passback (20~60kHz) for seamless

Sep 28, 2025

Optical receiver price

Support multi-gigabit and terabit data rates over single-mode and multi-mode fiber cables Enable transoceanic communication via undersea fiber-optic cables with repeaters and amplifiers

Mar 21, 2026

LSZH Fiber Optic Patch Cord LC/APC To SC/APC Fiber Optic Patch Cable ...

It's a simplex (single strand) cable with a tough LSZH (Low Smoke Zero Halogen) jacket that's flexible and durable. The ceramic ferrules ensure low insertion loss and high return loss for clean signal

Contact Us

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