

# HDMI Media Converter

---

HDMI Media Converter

## Variants

Fiber SC 20km Fiber FC 20km OFC SC - KVM 20KM

## Details

## HDMI Extender Over Fiber

The HDMI Extender Over Fiber is a commercial-grade solution designed for long-distance, high-quality video transmission. It supports flexible network configurations, high-resolution output, and reliable performance for applications such as CCTV, LED walls, conferencing, and education systems.

## Technical Specifications

Category	Specification
Product Type	HDMI Extender Over Fiber
Application	Video Transmission, CCTV, LED Wall, Conference, Education
Video Resolution	Up to 1920 × 1080P @ 60Hz
Compatibility	Backward compatible with lower resolutions
Transmission Type	Optical Fiber + TCP/IP Network
Transmission Mode	Point-to-Point / Point-to-Multi / Multi-to-Multi
Max Nodes	Up to 255 devices
Fiber Type	Single Mode / Multi Mode

Transmission Distance	MM: Up to 1 km SM: Up to 20 km (Up to 120 km optional)
Fiber Connector	SC (Default), FC / LC / ST (Optional)
Wavelength	1310 – 1550 nm
TX Power	> -8 dBm
RX Sensitivity	> -26 dBm
Protocol Support	TCP/IP over Ethernet Switch
Audio Support	24-bit Embedded Audio + 3.5mm Analog Audio
Audio Function	Audio Embed / De-embed
IR Control	Reverse IR Supported
KVM Function	Keyboard & Mouse Control Supported
HDMI Loop Out	Supported (Local Monitoring)
HDCP	Supported (Decryption Engine)
EDID	EDID Transparent Transmission
Protection	Built-in ESD Protection
Installation	Plug & Play
Device Type	Transmitter (TX) + Receiver (RX)