

HDMI Media Converter

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Variants

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

Details

Commercial-grade HDMI Extender Over Fiber

Overview:

commercial-grade HDMI extender over fiber is used to extend the transmission of HDMI audio and video signals. It is usually used when the HDMI cable length limit cannot meet the transmission distance. This product transmits HDMI audio and video signals up to 20 kilometers through fiber, with a maximum distance of 120 kilometers. The equipment supports TCP/IP network protocol, allowing one transmitter to transmit to multiple receivers through Ethernet switches. It supports remote transmission while also providing local HDMI output, infrared return transmission, independent audio transmission, and remote control of the signal source to ensure signal stability while reducing costs for users. The EDID-built-in audio greatly improves device compatibility. This equipment features a long transmission distance, low use cost, convenient installation, good compatibility, and a stable and efficient transmission mode.

Widely used in information release systems, security monitoring, video conferencing systems, HD teaching systems, LCD splicing large screens, LED splicing screens, engineering projection fusion, and other projects.

Features:

HDMI video supports maximum resolution 1920*1080P@60Hz downward compatibility

Integrated HDCP decrypting engine to receive protected audio and video content

EDID transparent transmission mode, automatically matching the signal source and display equipment

transmitter supports the local loop-out monitoring function

Support 24-bit embedded digital audio

Support independent analog of 3.5mm audio

Support audio embedding and unembedding function
Support KVM function (keyboard and mouse)
Support reverse IR infrared function
Support point-to-point, point-to-many, and many-to-many transmissions through Ethernet switches (up to 255 points)
Support single fiber/dual fiber (optional)
Single mode/multi-mode compatibility, multi-mode transmission distance of 1 km, single-mode transmission distance of 20 km, can be customized up to 120 km
Built-in ESD electrostatic protection circuit, simple to install, plug and play
The equipment has a differentiated transmitter (signal source) and a receiver (display end)

Technical Indexes:

Category	Specification
Fiber Index	
Wavelength	1310-1550nm
Tx power	>-8dB
Rx sensitivity	>-26dB
Fiber connector	SC default: FC, LC / ST (Optional)