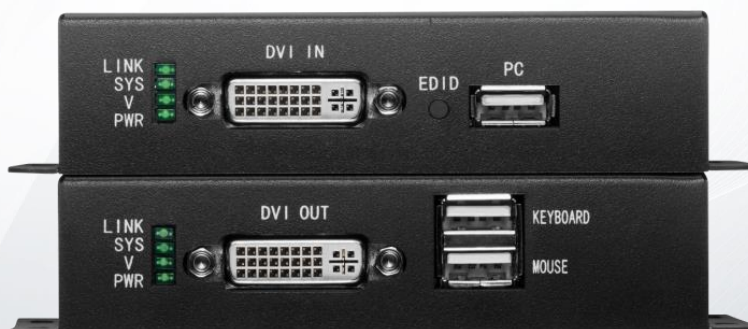


FS 4K DVI KVM Extender

4K DVI KVM USB2.0 Extender Set with Audio and EDID via Single LC Fiber for 10km



Overview

3840*2160@30Hz DVI KVM Extender is a compact and high-performance solution which provides remote KVM (USB keyboard and USB mouse) access to a USB computer up to 10km away via a simplex LC fiber optic cable.

Each KVM extender consists of a local unit that connects to a computer, and a remote unit that connects to a keyboard and mouse. The Transmitter and Receiver are plug-and-play, and

work without any set-up.

The 4KDVIUF is applicable to digital signage, LED signboards in streets and in stadiums, medical imaging equipment, remote monitor for traffic, industrial, military control, LCD, projector, plasma display connection, large video wall system and wherever 4K full-bandwidth uncompressed video or end-to-end electrical isolation are essential.

Highlights

- Supports USB for keyboard and mouse
- Supports HDMI 1.4 and compatible with DVI 1.0
- LPCM 7.1, Dolby® TrueHD, and DTS-HD Master Audio™
- Supports HDMI bit-rates up to 10 Gbps total
- Supports 3D TV pass-through
- Supports EDID pass-through
- Supports the DDC2B protocol
- Built-in EQ (Receiver)
- Low RFI / EMI profile for sensitive applications
- Color depth up to 24 bits/pixel

Connection Diagram



Technical Data

Parameter	Value
PC Max Resolution	3840×2160@30Hz
Signal Type	HDMI
Video Interface	(1) HDMI Type A Female
Video Standard	HDMI1.4 , DVI1.0
Optical Connector	LC
Fiber Transceiver	(1) SFP+

Technical Data

Parameter	Value
EDID Compatible	Yes
3D TV	Yes
USB	USB2.0 on TX and RX, only for keyboard and mouse
Fiber Type	Single fiber
Mode Type	Single mode
Distance	10km
HD-DVD Input Max Resolution	720p/1080i/1080p/120Hz
Color Bit Depth	24 bits per color
Max Video Data Rate	10Gbps
Input/Output TDMS	1.65Gpbs
Input/Output TDMS Power Level	1.2volts p-p
Input DDC Level	5volts p-p (TTL)
Nominal Peak Wavelength	1310nm/1550nm
Output Optical Power	4 dBm, average @1310nm; -23dB max
Receiver Sensitivity	- 23dBm, average @1310nm
Output Modulation Amplitude	180μW
Input Modulation Amplitude	≤15μW
Relative Speed	-116 DB/Hz
Return Loss	≤10 dB
Rate of Transmission	10Gbps
Power Consumption	10W (max.)

Technical Data

Parameter	Value
Power Voltage	12 VDC
Working Temperature	-35°C~+50°C
Storage Temperature	-60°C~+80°C
Relative Humidity	0~95% (non condensing)
Construction	Sheet metal
Dimensions (HxWxD)	5.1" x3.1" x1.1" (130mm x 79 mm x 28mm)
Product Warranty	1 Year

Ordering Information

ID	Description
#93419	4K DVI KVM USB2.0 Extender Set with Audio and EDID via Single LC Fiber for 10km
#93421	4K DVI Extender Set with Audio, EDID and RS232 via Single LC Fiber for 10km
#93418	4K HDMI KVM USB2.0 Extender Set with Audio and EDID via Single LC Fiber for 10km
#93420	4K HDMI Extender Set with Audio, EDID and RS232 via Single LC Fiber for 10km