4K DVI Fiber Optic Extender

User Manual



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Description

The 4K DVI Fiber optic extender provides extension of DVI video for long distances over one fiber optic cable, it supports high resolution up to 4K*2K@60Hz, YUV 4:2:0. The extender can use for wide range of applications requiring long distance transmission of high resolution video with high quality by its good stability and powerful security.

Features

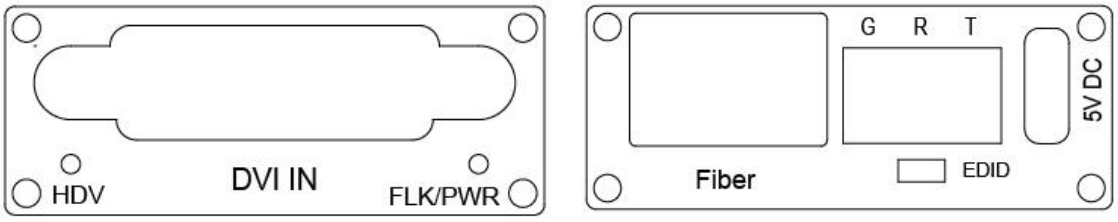
- Transmits DVI and RS232 signals up to 20km over a fiber optic cable;
- Support video resolution max up to 4K*2K@60Hz, YUV 4:2:0;
- Compliance with DVI 1.0 standard;
- High compatibility, can auto-match source and display device;
- Built-in automatic adjustment system, make the image smooth, clear and stable;
- Built-in ESD protection system;
- Simple to install, plug and play;

Max Resolution Support

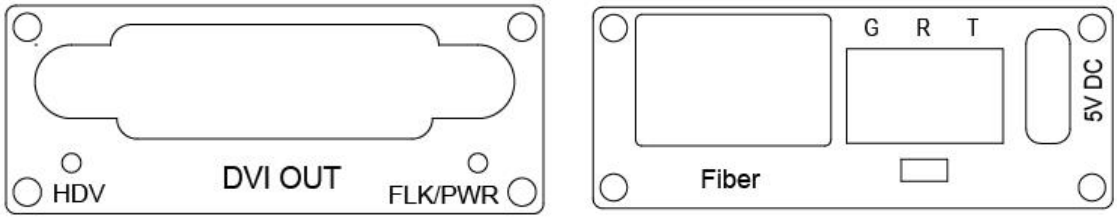
Chroma subsampling	4：4：4	4：2：2	4：2：0
DVI	4K@30Hz	4K@30Hz	4K@60Hz

Panel

TX



RX



Specifications

Type of Extender	DVI signal over Optical Fiber Cable
Input Signals	DVI
Connector	DVI-D
Signal Support	DVI 1.0 format standard and HDCP compliant
Video Support	Up to 720P/960P/1080p@60Hz, 4K*2K@30Hz
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTSHD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Chroma Subsampling	Max 3840*2160@60Hz (4:2:0) Max 3840*2160@30Hz (4:4:4, 4:2:2)
EDID	Bi-Directional (Forward + Backward) Transmission: Support Dynamic EDID, Plug & Play, no need to learn Single-Directional (Forward) Transmission: Support EDID learning manually
RS232	3 Pin terminal, Baud rate ≤ 38400
Fiber Connector	SFP/LC
Bandwidth	10.2Gbps
Transmission Distance	300m (Over OM3 Fiber)
	Up to 80km (Over Single-mode Fiber)
Operating Temperature	-10 ~ + 50°C
Storage Temperature	-20 ~ + 80°C
Humidity	5% to 90% RH (non-condensing)
MTBF	100,000 hours
Dimension (WxDxH)	2.87 x 1.73 x 0.69in (73x44x17mm)
Weight	60g / 0.13 lb
Power Supply	5V DC (USB-C)
Power dissipation	<5W
Safety Approvals	CE, FCC, Rohs

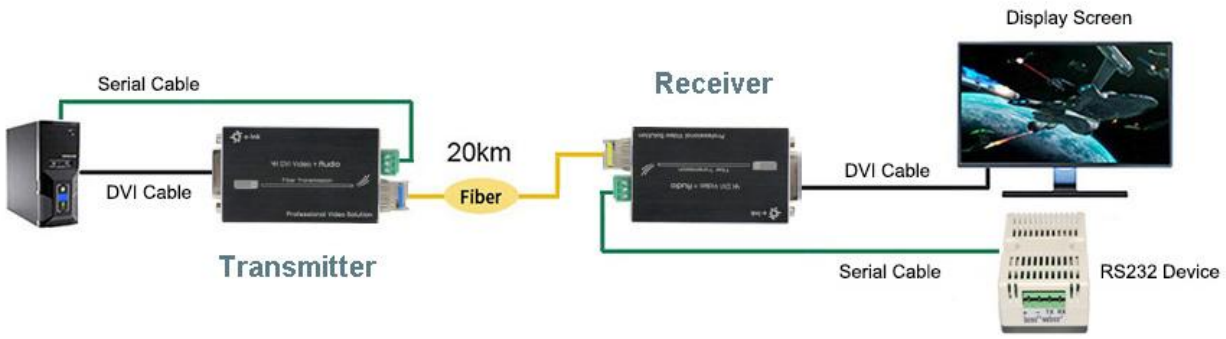
Package list

- DVI fiber transmitter .....1 pcs
- DVI fiber receiver .....1 pcs
- SFP module .....1 set
- Power adapter .....2 pcs
- User manual .....1 pcs

Installation

1. The DVI signal source connect to Transmitter;
2. The Receiver connect to a display device (such as high-definition TV, splicing screen, etc.);
3. The LC interface optical fiber cable connects the Transmitter and the receiver's SFP module;
4. The Transmitter and Receiver connected to the power supply. Check the Power, Video and Fiber indicators, when all the Led Indicators lights up normally, the device works properly.

Diagram



Warranty

Thank you very much for using our products.

The warranty time is one year and life-time maintenance and tech support. During this period, any belongs to under normal usage circumstance cause because of the product quality's problem of breakdown, our company will be responsible for giving free maintain.

Free maintain won't be given under the following circumstance:

- The malfunction and damaged caused by incorrect use, the unauthorized repairs and alteration;
- The damage caused by fire, flood, abnormal voltage, other natural disasters and secondary product damage;
- The product malfunction caused by not in accordance with the user manual operation;
- The malfunction and damaged caused by the other barriers (man-made factors or external device);