

# LM-THF122DKM

## **DVI Fiber Optic Extender**

User Manual

## **1. Description**

The LM-THF122DKM Fiber optic extender provides extension of DVI signals long distances over one fiber optic cable, it supports high resolution up to 1920\*1200, EDID copy, KVM signal and external audio transmission function. The extender can use for a wide range of applications requiring long distance transmission of high resolution with high quality by its good stability and powerful security.

## **2. Features**

- Transmits DVI video signals up to 2km over a pair fiber optic cable;

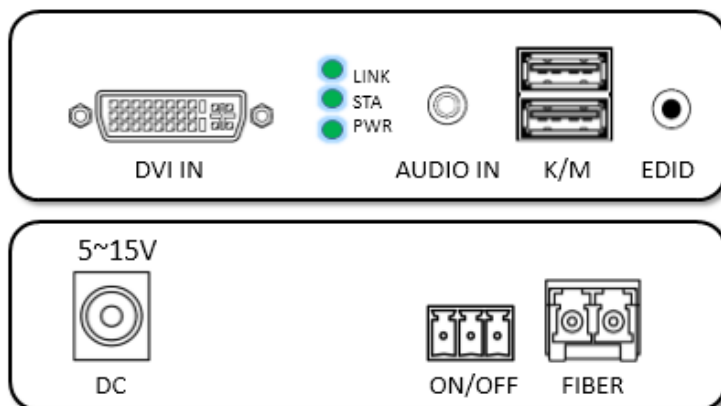
- Support video resolution up to 1920\*1200P@60Hz;
- Support EDID copy function, can match many kind display device;
- Support remote control switch ON/OFF;
- Support USB keyboard and mouse signal transmission;
- Support external stereo audio unidirectional transmission;
- Compliance with DVI 1.0.
- 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;

### 3. Specifications

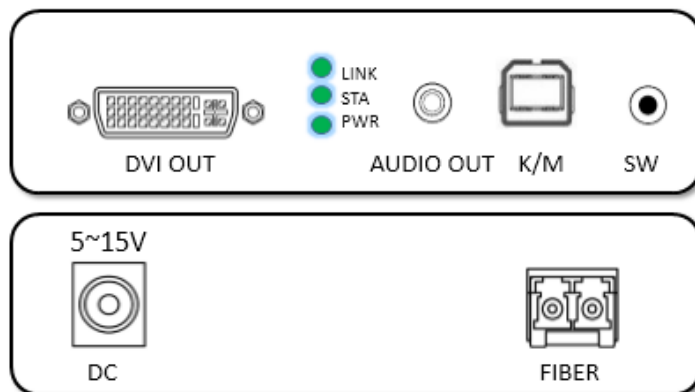
	Parameter	Description
Video	Standards	DVI 1.0;
	Maximum pixel clock	165MHz
	Maximum data rate	10Gbps
	Resolution range	Up to 1920X1200@60Hz
	Connector	DVI-D
	Impedance	100Ω
Audio	Interface	3.5mm earphone seat
	Signal type	Stereo
KVM	Interface	To PC: standard type B USB connector To K/M: standard USB
Optical fiber	Interface	LC connector
	Fiber type	Single-mode a pair fiber
	Wavelength	Single-mode 1310nm
	Interface bandwidth	10Gbps
	Transmission distance	standard 2km
Other	Power supply	The power adapter: DC 12V/1A
	Power dissipation	MAX 6W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%
	Dimension	120*120*30mm
	The warranty	1 year free warranty

## 4. Panel

Transmitter:



Receiver:



Port name	Description
DVI IN/OUT	DVI signal input/output
Audio IN/OUT	Stereo audio signal input/output
K/M	1. Transmitter connect to PC 2. Receiver connect to keyboard and mouse
DC/12V	Power adapter socket
Fiber	LC connector
SW	Press SW key, Remote control ON/OFF
ON/OFF	
LED indicator	Description
PWR	System power indicator
LINK	Fiber connect indicator
STATUS	DVI connect indicator

## 5. Package list

- DVI optical fiber transmitter ..... 1 pc
- DVI optical fiber receiver ..... 1 pc
- Type B USB cable..... 1 pc
- Fiber optic module .....2 pcs
- Power adapter .....2 pcs
- User manual ..... 1 pc

## 6. Installation

1. Connect the provided DC/12V power supplies to the power socket of the transmitter and the receiver,
2. Connect an DVI cable between the DVI input port of transmitter and the DVI output port of the video source,
3. Connect the DVI output port of receiver to the display device with DVI cable,
4. Connect the transmitter optical port to the receiver optical port using a pair fiber optic cable.

## 7. Diagram

