



# **Full HD Optical transmitter and receiver**

**Model : LM-DF02**

**User Manual**

## Product Overview

DVI Optical transmitter and receiver adopts the uncompressed digital HD video and high-speed digital optical fiber transmission technology advanced,It can transfer signal source(computer signal source, DVI signal source high digital DVD/DVR) to long distance terminal easily,with strong performance,ensure the signal completed and stable.

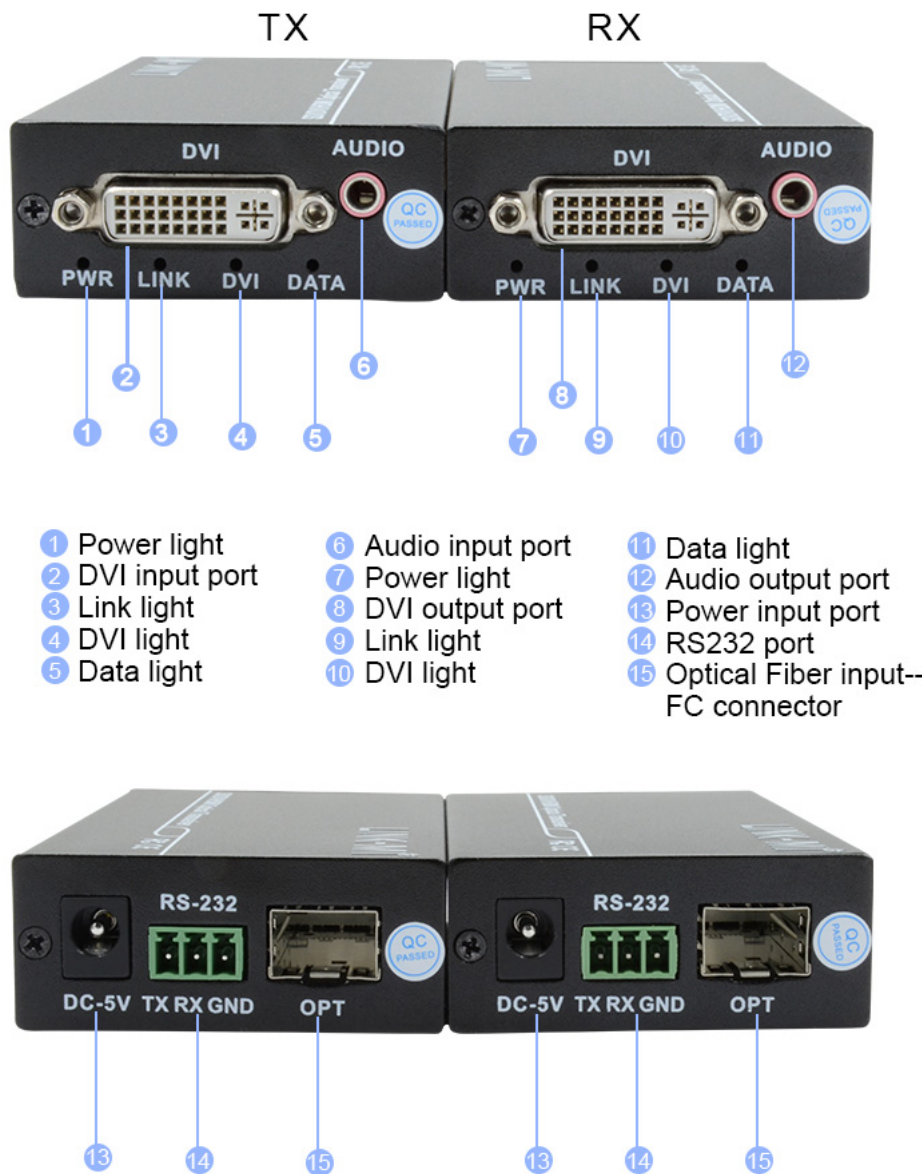
## Main features

1. Full digital, Uncompressed HD optical fiber transmission.
2. Support Full HD 1920\*1080@60Hz.
3. All the ONE-way audio.
4. Automatic identification and configure display mode.
5. Automatic equalization inside, stable and clear graphics.
6. ESD protection circuit inside, to ensure the ESD damage.
7. Easily to installation, plug and play, no need to set up.

## Standard Package

Transmitter	1	pcs
Receiver	1	pcs
Power Supply Unit 5V/1A	2	pcs
User Guide	1	pcs

## Interface overview



## Installation

1. Connect DVI input signal to DVI\_IN port by cable
2. Connect DVI output signal to DVI\_OUT port by cable
3. Connect Audio input signal to AUDIO IN port
4. Connect Audio output signal to AUDIO OUT port
5. Connect FC fiber to OPT IN and OPT OUT
6. Power on

## Performance and Specification

Temperature	-5°C to +75°C
Humidity	5 to 90 % RH (no condensation)
Pixel band width	165MHz
Video format	800x600P60/1024x768P60 1280x800P60/1280x1024P60 1360x768P60 /1366x768P60 1400x1050P60/1440x900P60 1600x900P60/1600x1200P60 1680x1050P60/1280x720P50 1280x720P60/1920x1080P24 1920x1080P25/1920x1080P30 1920x1080P50/1920x1080P60 1920x1080I60 /1920x1080I50 1920x1200P60
The signa of Audio input and output	3.5MM Audio
Audio format	44.1K,48K,96K,176K,192K
RS232 port	3 ports industrial terminal
RS232 Baud rate	Support 115200 and all below
RS 232 Data bits	8 bits
Fiber port	LC
Fiber wavelength	1550/1310nm
Fiber band width	3Gbps
The Maximum transmission distance	10KM/20KM/40KM/60KM
Input voltage	DC 5V, inside+ outside-
Power consumption	Transmitter 4W; Receiver 4W
Device size	110mm*580mm*25mm(length*width*height)
Packing box size	175mm*74mm*74mm (length*width*height)
Weight	1KG

## Connection

