Full HD Optical transmitter and receiver
Model: LM-HF01

User Guide

Product Overview

HDMI 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, HDMI signal source high digital DVD/DVR) to long distance terminal easily, with strong performance, ensure the signal completed and stable.
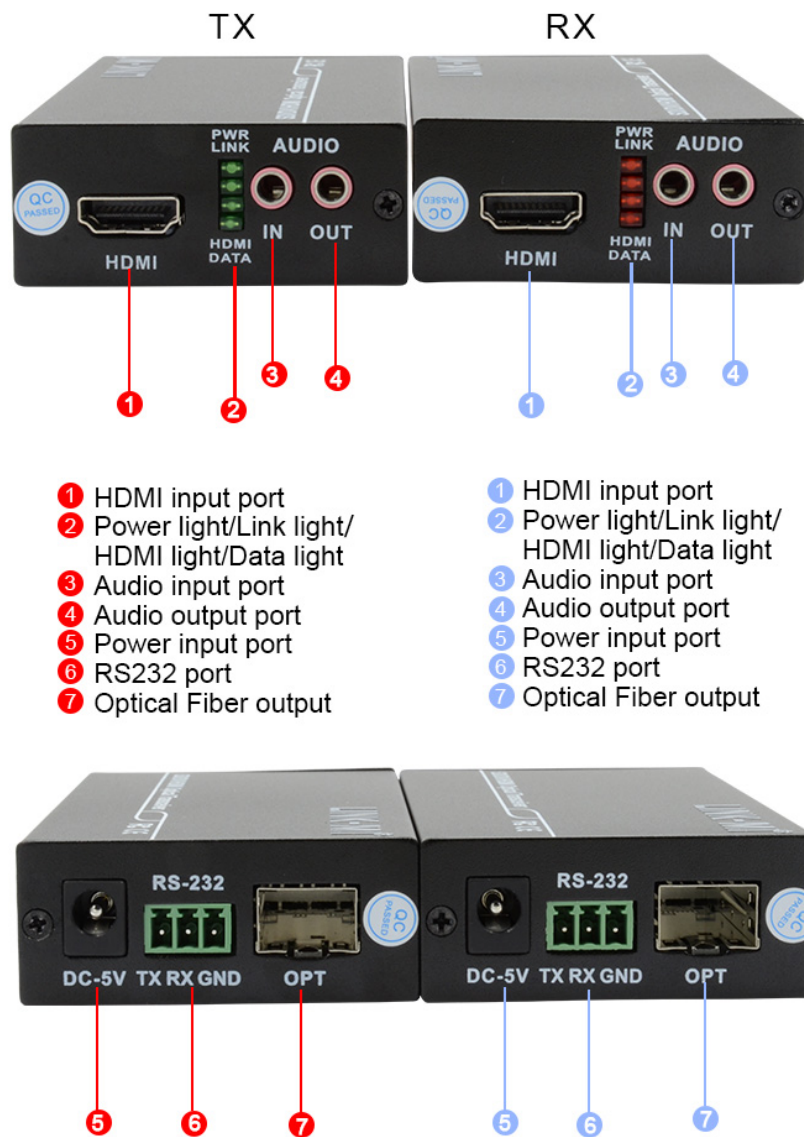
Main features

1. Full digital, Uncompressed HD optical fiber transmission
2. Support Full HD 1920*1080@60Hz
3. All the two-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		1pcs
Receiver		1pcs
Power Supply Unit	5V/1A	2pcs
User Guide		1pcs

Interface overview

TX	**RX**

TX:
1. HDMI input port
2. Power light/Link light/ HDMI light/Data light
3. Audio input port
4. Audio output port
5. Power input port
6. RS232 port
7. Optical Fiber output

RX:
1. HDMI input port
2. Power light/Link light/ HDMI light/Data light
3. Audio input port
4. Audio output port
5. Power input port
6. RS232 port
7. Optical Fiber output

Installation

1. Connect HDMI input signal to HDMI_IN port by cable

2. Connect HDMI output signal to HDMI_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	FC
Fiber wavelength	1550/1310nm
Fiber band width	3Gbps
The Maximum transmission distance	10KM/20KM/40KM/60KM
Input voltage	DC 5V, inside+ outside-
Power consumption	receiver 4W transmitter 4W
Device size	110mm*580mm*25mm(length*width*height)
Packing box size	175mm*74mm*74mm (length*width*height)
Weight	1KG

Connection