

# AUDIO VIDEO SYSTEM

## Lightem KVM-HDMI Video to Fiber Converter

HDMI Optical transmitter and receiver is based the uncompressed digital HD video and high-speed digital optical fiber transmission technology advanced, It transfer HDMI signal (computer source, HDMI signal source high digital DVD/DVR) to terminal remotely over the fiber optics, with strong anti-interference performance, ensure the signal completed and stable.

### FEATURES

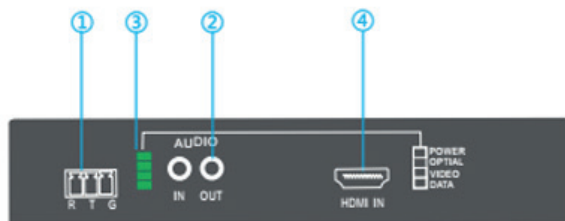
- Full digital, Uncompressed HD optical fiber transmission
- Support Full HD 1920\*1200@60Hz
- The attenuation of optical module SFP low to -3db
- 1 channel analog audio(3.5mm)
- Support HDMI 1.3b Protocol
- Automatic identification and configure display mode
- Easily to installation, plug and play, no need to set up
- Automatic equalization inside, stable and clear graphics ESD protection circuit inside, to ensure the ESD damage



### INTERFACE

FRONT

BACK



1. RS232 data port  
2. Signal Indicator

3. Audio Connector  
4. HDMI Video Connector

5. Adapter Input Port  
6. Fiber Port

Interface	Transmitter and Receiver
HDMI IN/ OUT	HDMI signal input/output
OPT	Fiber input port
Audio In / Audio Out	Audio input / output port
DC-12V	12V Power port
RTG	RS232 port R(receive) T(transmit) G(ground)

### INDICATOR LIGHT

OPTICAL	On	Optical signal on
	Off	No optical signal
VIDEO	On	Video signal on
	Off	No Video Signal
RUN	On	Device works smoothly
	Off	Device not works smoothly
POWER	On	Power on
	Off	Power off

## SPECIFICATIONS

Parameter	Values
The signal of Input and output	HDMI
Protocal	HDMI1.3b,HDCP1.2
Pixel band width	165MHz
Video format	Support 1920 x1200 and all format below
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
USB Interface	Standard Mini USB
K/M	Standard USB
Fiber port	LC
Fiber module	SFP single mode
Fiber wavelength	1310/1550nm
Fiber band width	3Gbps
Transmission distance of HDMI and Audio	20KM
Input voltage	DC 12V , inside + outside -
Power consumption	HDMI receiver 4W ; HDMI transmitter 4W
Temperature	-5°C to +75°C
Humidity	5 to 90 % RH (no condensation)
Size	167 x113 x28 mm

## INSTALLATION

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



## ORDERING INFORMATION

PN	Description
LHDMI-U-USB	Lightem KVM-HDMI Video to Fiber Converter