

HDMI Full Digital Uncompressed HD Video to LC / FC Or SC Fiber Port Converter

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 anti-interference performance, ensure the signal completed and stable.

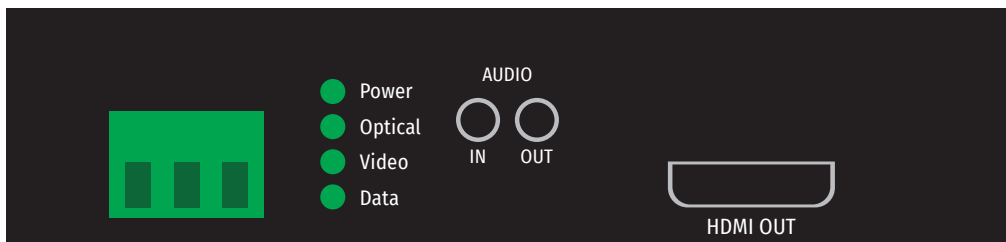
FEATURES

- Full digital, Uncompressed HD optical fiber transmission
- Support Full HD 1920*1200@60Hz
- Support RS232 pass-through transmission
- 1 channel forward audio (3.5mm) ,Support audio add/de-embed
- Support HDMI 1.3b Protocol
- Automatic identification and configure display mode
- Automatic equalization inside, stable and clear graphics
- ESD protection circuit inside, to ensure the ESD damage
- Easily to installation, plug and play, no need to set up
- With uncompressed KVM extension function
- With gold finger on PCBs ,can be plugin directly in the chassis



OVERVIEW

Interface	Transmitter and Receiver
HDMI IN/OUT	HDMI signal input/output port
OPT	Fiber input port
AUDIO IN/OUT	Audio input/ output port
DC5V	5V Power port
RTG	RS232 port R(receive) T(transmit) G(ground)



INDICATOR LIGHT

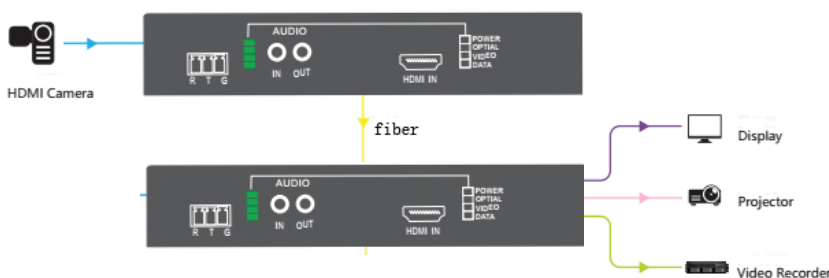
HDMI Transmitter and Receiver	ON	OFF
POWER	● Power on	● Power off
OPTICAL	● Optical signal on	● No optical signal
VIDEO	● Video signal on	● No Video Signal
DATA	● Data signal on	● Data signal off

AUDIO VIDEO SYSTEM

SPECIFICATIONS

Video	
Signal of Input and output	HDMI
Protocol Standards	HDMI 1.3; HDCP 1.2
Pixel band width	165 MHz
Format	Support 1920*1080P 24-25,30,50,60,150,160 ; 180*720P 50,60
Audio	
Signal of input and output	3.5MM Audio
Format	44.1K,48K,96K,176K,192K
RS232 port	3 ports industrial terminal
Baud rate	Support 115200 and all below
Data bits	8 bits
Optical Fiber	
Port	LC / FC or SC connector
Module	SFP single mode
Wavelength	1310nm, 1510nm
Bandwidth	3Gbps
Transmission distance of HDMI and Audio	Standard: 20km
Other	
Power supply	The power adapter: DC 5V/2A inside + outside -
Power consumption	HDMI receiver 4W / HDMI transmitter 4W
Temperature	-5°C to +75°C
Humidity	5 to 90 % RH (no condensation)
Dimension	163 x113 x28mm

APPLICATION DIAGRAM



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

P\N	Description
LHDMI-C-xx	HDMI Full Digital Uncompressed HD Video to Fiber Converter
xx=	
-LC	HDMI Full Digital Uncompressed HD Video to LC Fiber Port Converter
-FC	HDMI Full Digital Uncompressed HD Video to FC Fiber Port Converter
-SC	HDMI Full Digital Uncompressed HD Video to SC Fiber Port Converter