

## HDMI (compressed) + IR Fiber Converter

The HDMI Fiber optic extender provides extension of HDMI signals long distances over one fiber optic cable, it supports high resolution up to 1080P and IR transmission. 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.

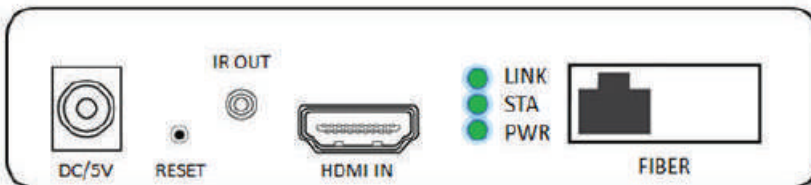


### FEATURES

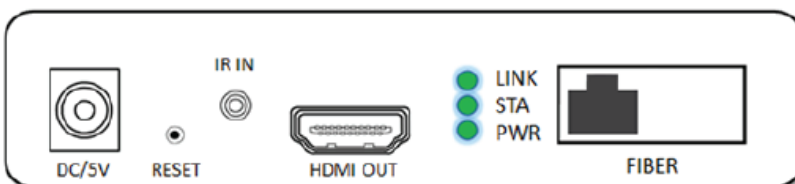
- Transmits HDMI video and audio signals up to 20km over one fiber optic cable
- Support video resolution up to 1920\*1080P@60Hz
- Support IR transmission
- Compliance with HDMI 1.3 and HDCP 1.2 standard
- High compatibility, can auto-match source and display device
- Built-in automatic adjustment system, make the image smooth, clear and stable
- Built-in ESD protection system
- Simple to install, plug and play

### PANEL

#### Transmitter



#### Receiver



Port name	Description
HDMI IN/OUT	HDMI signal input/output
IR IN/OUT	Infrared signal input/output
DC/5V	Power adapter socket
FIBER	Optical Fiber Interface
Reset	Restore button, press for 5 second to restore system setting to factory default
LED indicator	Description
LINK	Optical fiber signal connection indicator
STA	Video signal connection indicator
PWR	System power indicator

# AUDIO VIDEO SYSTEM

## SPECIFICATIONS

Video	
Standards	HDMI 1.3; HDCP 1.2
Maximum pixel clock	165 MHz
Maximum data rate	6.75Gbps
Resolution range	480, 576, 720p50/60, 1080p50/60 Hz
Connector	Female HDMI Type A
Impedance	100Ω
RS232	
Interface	
Interface	3.5mm earphone seat
Signal Type	Digital
Transmission Direction	Unidirectional; Self-adaptive,Max: 115200bps
Carrier Frequency	38kHz
Optical Fiber	
Interface	SC/FC connector
Fiber type	Single-mode
Wavelength	1310nm, 1510nm
Interface bandwidth	6.25Gbps
Transmission distance	Standard 20km; maximum 80km
Other	
Power supply	The power adapter: DC 5V/2A
Power dissipation	MAX 5W
Temperature	Operating: -56°c ~ +70°c
Humidity	Operating: 5% ~ 90%
Dimension	113*80*28mm

## ORDERING INFORMATION

P\N	Description
LHDMI-1IR-a-b	HDMI (compressed) + IR Fiber Converter
a	S- Standalone
R1	1U Rackmount
R4	1U Rackmount with 4x converters
b	T- Transmitter
R	Receiver