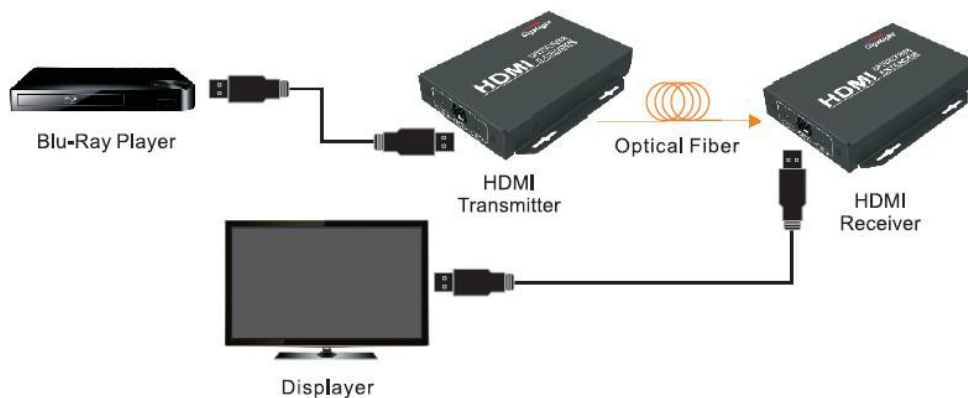


## HDMI1.4 Optical Fiber Extender

The Gigalight HDMI 1.4 Optical Fiber Extender can realize signal long-distance transmission through HDMI - 10G Optical signal conversion and signal transmit-receive through optical fibers and modules. Each HDMI Extender consists of a transmitter and receiver linked with optical fibers: transmitter connects to HDMI Source while receiver connects to HDMI Sink. When using dual fiber 10G SFP+ optical modules, optical fibers need to be cross-connected. For instance, receive port of transmitter module needs to connect with transmit port of receiver module, and vice versa.



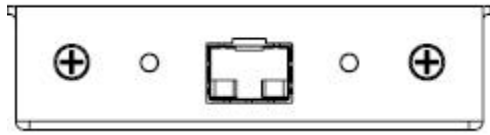
Application diagram

### Features:

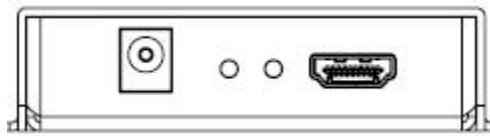
- Compliant with HDMI 1.4 Version, 4K/3D/1080p HD signal transfer without compression
- No compression; 10Gb/s Data rate
- Support HDCP/EDID/DDC/Audio
- Plug and play; Dispense with software
- HDMI A-type interface, CEC (consumer electronics control) not supported
- Power/Working condition indicated by LED light
- Transmission distance up to 300m on SMF or MMF, with HDCP requirement
- Transmission distance up to 40KM on SMF( Single fiber or Dual fiber, with

HDCP shunt/decoding box;

### Hardware Configuration



Led1 SFP LED2



DC 5V LED3 LED4 HDMI

LED	Display	Description
LED1	Off	TX NG
	Green	TX OK
LED2	Off	RX NG
	Green	RX OK
LED3	Off	Power down
	Green	Power on
LED4	Off	HDMI OK
	Green	No HDMI

### Absolute Maximum Ratings

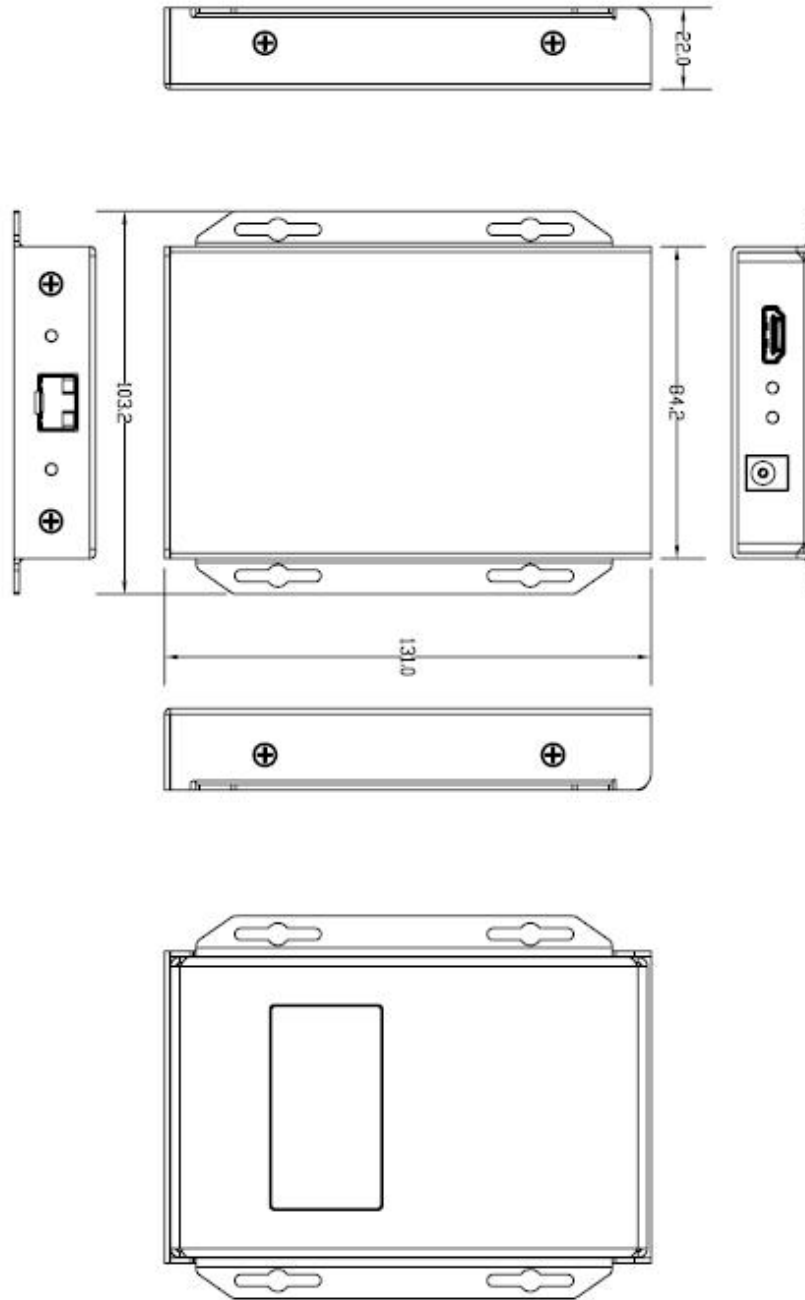
Parameter	Symbol	Min	Max	Unit
Supply Voltage	Vcc	-0.5	6	V
Storage Temperature	Ts	-10	+70	°C

### Technical Specifications

Parameter	Symbol	Min	Typical	Max	Unit
Operating Case Temperature	Tc	0		+50	°C
Operating Humidity	-	5		85 non-condensing	%
Power Supply Voltage	Vcc	4.5	5	5.5	V
Power Supply Current	Icc			250	mA
Physical Dimensions		130(W)x84(D) x22(H)			mm

\*

### Mechanical Dimensions



Unit: mm

Part Number	Description
G-HDMI-E-Tx	HDMI1.4v fiber optical extender, transmitter, 0~50℃ (without SFP+ transceivers), external power supplier(input 100-240V AC and ouput 5V DC 2A) 欧标, 美标, 国标
G-HDMI-E-Rx	HDMI1.4v fiber optical extender, Receiver, 0~50℃ (without SFP+ transceivers), external power supplier(input 100-240V AC and ouput 5V DC 2A) 欧标, 美标, 国标

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