

## 4k HDMI Long Haul Fiber Converter 30/60Hz

The 4K HDMI Fiber optic extender provides an extension of HDMI and 3D signals long distances over one fiber optic cable, it supports high resolution up to 4K\*2K@60Hz, EDID copy and RS232 function. 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.

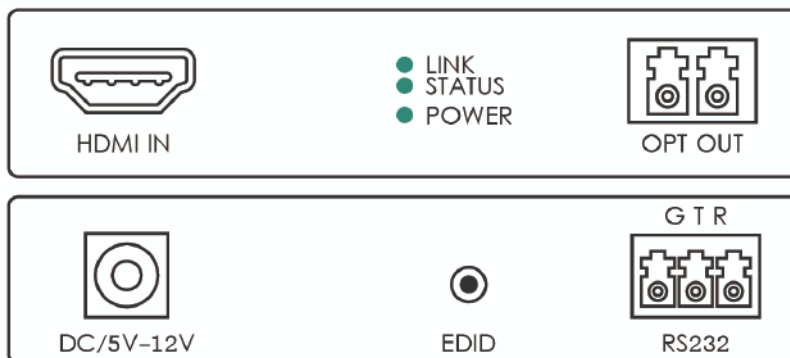


### FEATURES

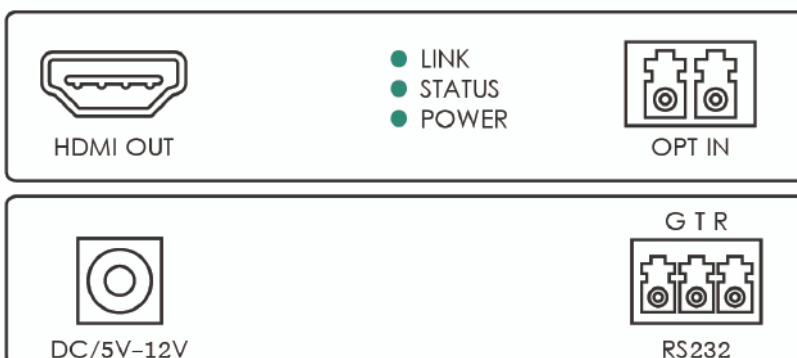
- Transmits HDMI video signals up to 2km-10km over a pair fiber optic cable
- Support video resolution max up to 4Kx2K@60Hz, 1080p@60hz; 3860\*2160@30Hz; 3D;
- Support copy EDID copy/pass-thru, can match many kind display device
- Support RS232 unidirectional transmission.
- Compliance with HDMI 2.0 and 1.4 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

### APPLICATIONS

#### Transmitter:



#### Receiver:



# AUDIO VIDEO SYSTEM

Port name	Description
HDMI IN/OUT	HDMI signal input/output
EDID	EDID Copy button, Press 3 seconds, copy EDID from HDMI IN display device to system. If HDMI IN interface no display connect, restore default EDID.
DC/5V	Power adapter socket
FIBER	SFP model --- LC connector
LED indicator	Description
L	L Optical fiber signal connection indicator
S	S Video signal connection indicator
P	P System power indicator

## SPECIFICATIONS

Parameters	L4KHDMI6-1DUD	L4KHDMI3-1DUD
Video		
Standards	HDMI 2.0	HDMI 1.4
Maximum pixel clock	340MHz	225MHz
Maximum data rate	6.75Gbps	
Resolution range	Up to 4K x 2K@60Hz, 3D, 1920*1200@60Hz	Up to 3840*2160@30Hz
Connector	Female HDMI type A	
HDMI Cable Range	<5M (Resolution: 1920*1200@60Hz)	
Impedance	100Ω	
RS232		
Interface	Industrial Terminal	
Signal Direction	Unidirectional	
Baud Rate	Self-adaptive,Max: 115200bps	
Data Bits	8	
Optical Fiber		
Interface	SFP model – LC connector	
Fiber type	Single-mode	
Wavelength	Single-mode 1310nm/ 1550nm	
Interface bandwidth	10Gbps	
Transmission distance	Single-mode fiber: standard 2km; max. 10km Multi-mode fiber: <300M	Single-mode fiber: standard 2km; max. 10km
Other		
Power supply	The power adapter: DC 12V/1A	
Power dissipation	MAX 5W	
Temperature	Operating: -5°C ~ +70°C	
Humidity	Operating: 5% ~ 90%	
Dimension	94.5*73*26mm	

# AUDIO VIDEO SYSTEM

## ORDERING INFORMATION

P\N	Description
L4KHDMIx-1DUD-a-b	4K HDMI + RS232 Fiber Converter
x	3- 4k @ 30Hz
	6- 4k @ 60Hz
a	S- Standalone
	R1- 1U Rackmount
	R4- 1U Rackmount with 4x converters
b	T- Transmitter
	R- Receiver