

Lightem LKVM series Fiber Extender

Lightem LKVM series Fiber Extender provides extension of HDMI and USB signals long distances over fiber optic cable, it supports high resolution up to 4K*2K; 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



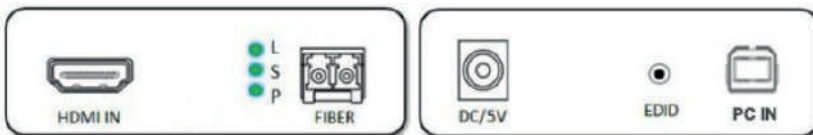
FEATURES

- Uncompressed, no delay transmits HDMI video signals up to 300m-10km over fiber optic cable
- Support video resolution up to 3840*2160@30Hz, 1920*1200@60Hz, 1920*1080P@60Hz, 3D signal
- Double fiber cable pass-through transmits HDCP/EDID
- Support KVM , keyboard and mouse function
- Single fiber support copy EDID, but can't pass HDCP
- Compliance with HDMI 1.4 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

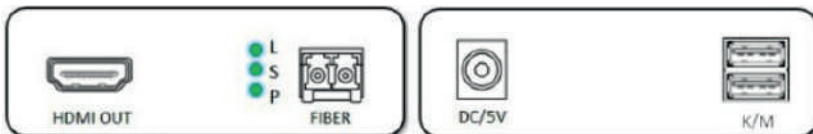


DIAGRAM

TRANSMITTER



RECEIVER



SPECIFICATIONS

Parameters	Values
Video	
Standards	HDMI 1.4; HDCP 1.2
Max Pixel clock	297 MHz
Max Data rate	10Gbps
Resolution range	Up to 3840x2160 @ 30Hz
Connector	Female HDMI type A
Impedance	100 Ohm
Optical Fiber	SFP
Interface	Singlemode LC
Fiber type	1310nm
Wavelength	10Gbps
Interface bandwidth	Double OM3 MM Fiber: 300m
Transmission distance	Singlemode Fiber: 0-20km (without HDCP)
Other	
Power supply	DC 5V/2A, max 5W
Environment	Operating -5 ~ +70 °C
Dimension	95x 73x 26mm

ORDERING INFORMATION

P/N	Descriptions
L4KKVM-x	KVM (HDMI & USB) Fiber Extender
x -	M- Multimode 300m (OM3)
	S- Singlemode 20km