

HDMI 4k 30Hz Uncompressed with USB Fiber Converter

Lightem HDMI Fiber optic extender provides extension of HDMI and 3D signals long distances over one fiber optic cable, it supports high resolution up to 4K*2K, And at the same time support USB keyboard mouse long distance transmission function, EDID pass-thru 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

- HDMI KVM Extender Via Fiber
- HDMI1.3,uncompressed, 4Kx2K@30Hz,USB,mouse
- 10G single mode single core/double core, the device is 2km
- Support learning EDID function;Support 3D video transmission
- Support the highest resolution of 2k*4k*, don't decode key
- Support all resolutions 4k@30hz and below, support RS232 serial data transmission (single fiber unidirectional, dual fiber two-way) 5, engineering level, more stable, more at ease (single/double fiber OM3 cable, range: 300M)

PANEL

Transmitter



Receiver



| Port name | Description |
|---------------|--|
| HDMI IN/OUT | HDMI signal input/output |
| EDID | EDID automatic learning, back read EDID from HDMI IN display device to system. If HDMI IN interface no display connect, restore default EDID. |
| KM | PC: MINI-USB Keyboard And Mouse: USB-A |
| DC/5V | Power adapter socket |
| Fiber | SFP model - LC connector |
| LED Indicator | |
| P | Power connection indicator |
| E | Optical fiber signal connection indicator |
| V | Video signal connection indicato |

SPECIFICATIONS

| | |
|------------------------------|--------------------------------------|
| <i>Video</i> | |
| <i>Standards</i> | HDMI 1.4 |
| <i>Maximum pixel clock</i> | 225 MHz |
| <i>Maximum data rate</i> | 6.75Gbps |
| <i>Resolution range</i> | Up to 3840 x2160 P @ 30Hz |
| <i>Connector</i> | HDMI Type A |
| <i>Impedance</i> | 100Ω |
| <i>KM</i> | |
| <i>Interface</i> | PC:MINI-USB |
| | Keyboard And Mouse:USB-A |
| <i>Optical Fiber</i> | |
| <i>Interface</i> | SFP model – LC connector |
| <i>Fiber type</i> | Multimode dual core |
| <i>Wavelength</i> | Multimode optical fiber 850 nm |
| <i>Interface bandwidth</i> | 10Gbps |
| <i>Transmission distance</i> | Double OM3 fiber: 300M(Support HDCP) |
| <i>Other</i> | |
| <i>Power supply</i> | The power adapter: DC 5V/2A |
| <i>Power dissipation</i> | MAX 5W |
| <i>Temperature</i> | Operating: -56°c ~ +70°c |
| <i>Humidity</i> | Operating: 5% ~ 90% |
| <i>Dimension</i> | 93 x70 x25 mm |

ORDERING INFORMATION

| P/N | Description |
|---------------|--|
| LHDMI-4k3-USB | HDMI 1.4 Uncompressed 4kx2k @ 30Hz & USB (KVM) |