

## 4K@60Hz HDMI2.0 Fiber Optic Extender

Model No:FL101KMR

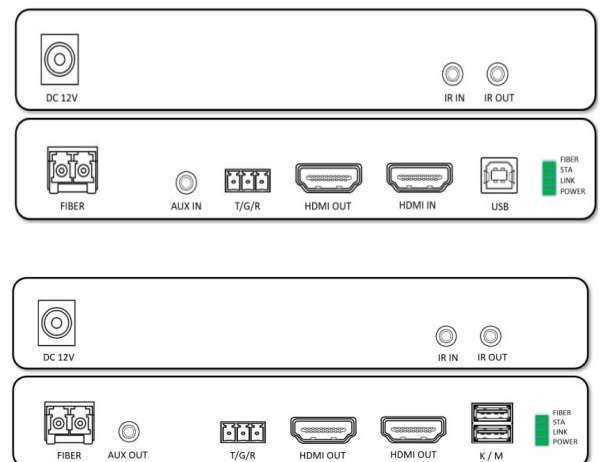
### Description

This Kind of HDMI fiber extender could support 4K@60Hz resolution over single core optical fiber cable. The extender has multiple functions with loop out for monitor, duplex data, external audio, bidirectional IR, USB for keyboard and mouse. It could support both single mode fiber cable or multimode fiber cable

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

1. Support 1-ch 4K60Hz HDMI2.0 video
2. Support HDMI resolution up to 3840x2160@60Hz
3. Support HDMI loop out, external audio
4. Support duplex RS232, bidirectional IR
5. Support USB for keyboard and mouse
6. Support YUV444 and RGB444
7. Compliance with HDMI 2.0 and HDCP 2.2 standard
8. Support automatic EDID
9. Standard transmission is 20KM
10. Compatible with DVI signal transmission.
11. Simple to install, plug and play.
12. Supports Customization and OEM.



### Order Info

Model Number	Specification
FL101KMR	1-ch 4K@60Hz HDMI2.0, 1-ch audio, 1-ch RS232, USB for keyboard and mouse, 1-ch bidirectional IR, single mode/multimode, single fiber, LC/UPC, stand alone case, standard 20KM

### Application

- Broadcast level systemic high-definition HDMI transmission
- HD video multimedia information publishing system in platform of subway station
- HD video multimedia information publishing system in platform of train station
- HD video signal long distance transmission of military exercises
- HD video signal long distance transmission of security monitoring
- HD video signal transmission of large performance
- All kinds of occasions that need high definition video

## Specification

Video Input (Transmitter)	1xHDMI Type A, 19-pin, female
Video Output (Receiver)	1xHDMI Type A, 19-pin, female
Maximum Video Bit Rate	18Gbps
HDMI Format	4K@60Hz YUV 4:4:4, 1080P, 720P, 576P, 480P/ VESA Resolution
EDID	Support
External Audio	3.5mm, 1-ch stereo
RS232	1-channel duplex, terminal block, Max: 115200bps
IR	1-ch bidirectional, 3.5mm, 28Khz-61Khz
USB	For Keyboard and mouse only
Wavelength	1310nm/1550nm@2.5Gbps
Output Optical Power	-9.5~-3dBm,average @1310nm
Receiver sensitivity	-23dBm,average @1310nm
Output Modulation Amplitude	180μW
Input Modulation Amplitude	≤15μW
Relative Speed	-116 DB/Hz
Return Loss	≤10 dB
Distance	single mode for 20KM standard, Up to 60KM max optional, multimode 300M
Working Temperature	-20°C~+70°C
Storage Temperature	-60°C~+80°C
Relative Humidity	0~95% (non condensing)
Size	123mm x82mm x23mm
Power Supply	12V@1A

## Diagram

