

## 4K60Hz DVI Fiber Optic Extender

Model No: FL201MH

### Description

Miniature 4K DVI fiber optic extender is designed with 4K\*2K\*60Hz DVI video signal. It is compatible with HDM2.0 version to achieve no delay,no compression,high quality signal extension of 1KM.

This DVI fiber extender adopts video processing and photoelectric conversion integrated design,high integration,small size,its optical components and core circuits are imported components, stable performance, suitable for different working environments like stage rental, LED video wall, projection, live tv, video conference and so on

### Features

1. Complies with DVI 1.0 single link standard and HDMI 2.0
2. Support 4K\*2K\*60Hz resolution, compatible with lower
3. Built-in EDID transparent mode,support button learn
4. Support EDID memory storage function after power off
5. Support power supply from the signal source DVI port
6. Support fiber optic dust protection and have anti detachment design to prevent the loss of dust covers
7. Support the power socket with lock
8. Support portable installation of rear long screws
9. Support single fiber transmission of 1km,compatible with multi-mode and single-mode modes
10. Support status light indication
11. Plug and play,without debugging
12. Support OEM USB power supply

### Order Info

Model Number	Specification
FL201MH	1-ch 4K60Hz DVI, single mode/multimode, single fiber, LC/UPC, 300meter for multimode, 1KM for SM, Mini type

### Application

Digital FPDs, PDPs and projectors for medical appliances, aero, traffic control, factory, and bank  
Digital FPDs and projectors in conference room and auditorium  
Kiosk with digital FPDs showing full motion graphic displays from remote systems  
PDP displays for information in public sites  
LED signboards in streets and in stadiums

## Specification

	Parameter	Specifications
Resolution	4k*2k 60Hz	3840x2160/60Hz (YUV 4:4:4)
Components	Laser Diodes in Tx Module	1310nm FP laser and 1550nm PIN PD
	Photo Diodes in Rx Module	1550nm FP laser and 1310nm PIN PD
Electrical	Input and Output Signals	TMDS Level (complying with DVI1.0)
	Maximum Pixel Clock Frequency	340Mb/s
	Maximum Video Bit Rate	10Gb/s
	Total Jitter at the end of Rx output	Max. 309 ps
	Skew inter-channels	Max. 6ns
Optical	Link Power Budget	Min 8.5dB
Mechanical	Module dimension (mm)	210*160*46mm
Connector	Optical Connector	1X LC connector
	Electric Connector	DVI plug
	Recommended Fiber	OM3 MM Fiber or Single-mode Fiber
Extend Distance		300m for MM, 1km for SM
Power Supply		5V DC
Working Temperature		-30 to 75°C

## Diagram

