

HDMI 2.0 Single Optical Fiber Extender (LC Single-mode) with Audio and RS232

OV11HH-1FO-SA

OV11-HH-1FO-SA is an uncompressed full 4k UHD video fiber extender pair, which resolution is up to 4096*2016@ 60Hz 4:4:4. The extender can transmit the HDMI2.0 signal with 18Gb/s over one Single-mode or multi-mode fiber to a distance of up to 700m.

The extender pair is using CWDM technology; there are 6 wavelength lasers in the extender pair. The data rate of the 1270nm/1290nm/1310nm/1330nm lasers are 6Gb/s, these 4 CWDM lasers transmit the HDMI TMDS signal from TX to RX unit, The 1490nm/1550nm laser data rate is 1.25Gb/s, which transmit the EDID, HDCP and RS232 signal Bi-directional.

Features

- Using only 1 LC fiber to transmit uncompressed 4K Ultra HD signal.
- Support 18Gbps video bandwidth.
- HDMI2.0 & HDCP2.2 supported.
- Video resolution up to 4K@60Hz YUV4:4:4.
- CWDM Single Fiber Technology.
- 1270/1290/1310/1330/1490/1550nm DFB lasers inside.
- Transmit signal over SM fiber.
- Extension distance up to 700 meters.
- Support bi-directional RS232.
- Support 1 way analog audio signal.
- Zero frame delay;
- HDR and Dolby Vision support;

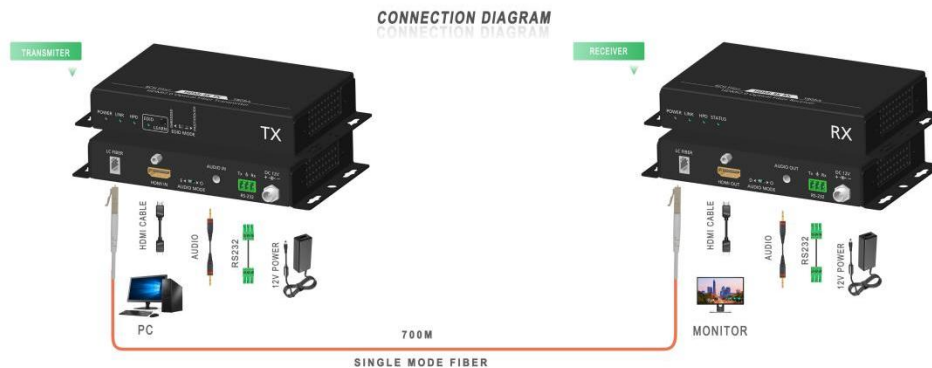
**Optical**

- Optical source: CWDM DFB Laser
- Fiber: 1 core LC, Single Mode
- Distance: 700M

Package

- TX x 1
- RX x 1
- 12V/2A power adapter x 2
- IR receiver cable x 1
- IR emitter cable x 1
- Phoenix terminal(male) x 2
- Mounting bracket with screw

Application



Specification

	Transmitter	Receiver
HDMI compliance	HDMI 2.0	
HDCP	HDCP 2.2/1.4	
Video Bandwidth	18Gbps	
Distance	Single-mode fiber: 700M	
Supporting Resolution	4Kx2K@60HZ(4:4:4 8bit)	
Connector/Fiber	HDMI-A 19 Pin (female)/ LC	
CWDM filter	Integrated 1270nm/1290nm/1310nm /1330nm/1490nm/1550nm filter	
Power Supply	12V/2A	
Power Consumption	3W	3W
Color	Black	Black
Dimension(LxWxH)	Model: 162x85x26 (mm)	Model: 162x85x26 (mm)
	Package: (mm)	
Weight	Model:500 g	Model:500 g
	Package: 1500 g	
Environment	Operating Temperature Range: -10°C~60°C Storage Temperature Range: -40°C~85°C	
Relative Humidity	20-90% RH (no condensation)	