

8K HDMI2.1 Extender over MPO

Model No: FL101MPO

Description

This is 8K HDMI extender over MPO fiber cable from Beijing Fiber Linker company. Video industry tends to improve with 4K and 8K high resolution now. Full uncompressed 4K and 8K video solution are more attractive for some video projects. This 8K HDMI2.1 extender convert 8K video to fiber optic signal and extends video over MPO fiber cable with full uncompressed technical solution. Its bandwidth is upto 48Gbps with max 500meter transmission distance. The whole transmission will has no latency

The uncompressed HDMI2.1 fiber extender could be widely used in broadcast live transmission, event production, medical/surgical room broadcast, video conference, video wall system, commend center, teaching room, digital signage, projection system, and other professional UHD video transmission systems.

Features

1. HDMI2.1 version with 8K@60Hz 4:4:4 resolution and compatible with lower
2. Support color depth 4:2:0, 4:2:2 and 4:4:4 and 24p 30p 60p frame rate.
3. Support HDR(Dolby Vision,HDR10+), support HDCP2.3
4. Support video bandwidth with 48Gbps, video transmission without latency
5. Transmission distance upto 500meter over MPO to MPO fiber optic cable
6. Six core OM3 MM Fiber fiber optical cable with armored protection
7. HDMI TX and RX ends has USB power supply plug, normally supply RX power is enough

Link Parts



HDMI2.1 To MPO
Transmitter End



MPO To HDMI2.1
Receiver End



MPO To MPO
Fiber Optic Cable
5-500meter



MPO To MPO
Coupler Adapter
For TX/RX+ Fiber Cable

Specification

HDMI version	HDMI 2.1, compatible with HDMI2.0, 1.4, 1.3
Resolution	Up to 8K/60Hz, backwards compatible with 4K/1080p/1080i/720p
Sampling rate	up to 4:4:4
Bandwidth	up to 48 Gbps
HDMI features	HDR HDCP V2.3 BT.2020 Deep Color
Transmitter Tx	HDMI Type A to MPO Male
Receiver Rx	HDMI Type A to MPO Male
Cable connectors	MPO Male to Male(no direction)
Cable length	Max 500meter
Pull strength	60 pounds
Bend radius	0.20" / 6.5mm
Fiber Cable	850nm VCSEL, 50/125 μ m OM3 MPO, 6-core
EMI, RFI	EMI and RFI free
Power supply	TX: 0.5W RX: 0.5W; 5V DC(normally supply RX is enough)
Operating Temp	04'F- 158F (-20'C - 70'C)/ 0% - 90% RH

Diagram

