DisplayPort
8K/4K Extender over SM Fiber (1.2KM)

LAN-F020

DisplayPort 8K/4K 1.2KM Single-mode Fiber Extender System

The **LAN-F020** extender enables the transmission of DisplayPort signals over distances up to 1.2KM and resolution up to 8K/4K@60HZ through single mode fiber.

It overcomes the copper DisplayPort cable length limitation without EMI concern, making it ideal for sensitive environment such as medical application. The system is simple to install with Plug-and-Play support and works without any set-up. Applications include medical imaging, expo, Mass Rapid…

● **Features**

- Extend long distance DisplayPort connection up to 1.2KM.
- True 8K/4K@60Hz extension without compression.
- Supports pass through HDR, EDID and DPCP.
- Plug-and-play, no driver or software required.

● **Applications**

- Digital signage A/V extension system.
- Medical, industry and military remote monitoring.
- Expo, MRT and airport passenger information system.
- EMI and security sensitive A/V transmission system.

● Application Diagram

● Specifications

LAN-F020	
Extension Range	
Point-to-Point	Up to 1.2KM* over Single-mode Fiber * The maximum possible extension distance depends on DisplayPort source machine.
Key Parameters	
Maximum Resolution	7680*4320@60Hz
Maximum Video Bandwidth	32.4Gbps
EDID	Pass through
DPCP	Pass through
HDR	Pass through
Environmental	
Temperature	✓Operation: 0℃ ～ 50℃ ✓Storage: -20℃ ～ 70℃
Humidity	✓Operation: 20 ~ 80% ✓Storage: 10 ~ 90% *Relative Humidity, Non-Condensing.
Source Unit Outline	**Sink Unit Outline**
75(W)*138(D)*29(H)mm	75(W)*138(D)*29(H)mm
DisplayPort receptacle*1	DisplayPort receptacle*1
Duplex LC*1	Duplex LC*1
5V/868mA Power Consumption	5V/768mA Power Consumption
Net weight：280g	Net weight：280g
Package Contents	
Source Unit*1pc	Sink Unit*1pc
5V/3A Adaptor*2pcs	Multi-Country Power Cord*2 sets
Package weight：1250g (1 set)	Package size：175(W)*156(D)*128(H)mm (1 set)
Safety Regulation	
CE and FCC Approved	C E FC

◆   Ordering Information
LAN-F020 (EU, UK, AU, US plugs are included)