

DisplayPort 8K/4K Extender over MM Fiber (300M)



LAN-F120

DisplayPort 8K/4K 300M Multi-mode Fiber Extender System

The LAN-F120 extender enables the transmission of DisplayPort signals over distances up to 300M and resolution up to 8K/4K@60HZ through multi-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 digital signage, expo, Mass Rapid Transit, and wherever 8K full-bandwidth uncompressed video are essential.

- Features
 - Extend long distance DisplayPort connection up to 300M.
 - 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-F120 Extension Range	
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° C ~ 50° C
	✓ Storage: -20°C ~ 70°C
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
MPO*1	MPO*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€F©

Ordering Information LAN-F120 (EU, UK, AU, US plugs are included)