



## ***DisplayPort 1.4 One (1) fiber optical extender with Smart Aux feature*** **DPX-1F14A-TR**

### **Description**

DisplayPort 1.4 one (1) fiber optical detachable extender with copper extension, DPX-1F14A-TR, extends DisplayPort 1.4 signal up to 300m (984feet) and transmits up to 8K (7680x4320) at 60Hz DSC over one (1) LC multi-mode fiber (OM3). Cutting-edge technology of Opticis reduces limits in installation by providing an option for longer additional extension.

DPX-1F14A-TR introduces a new feature, Smart Aux, designed to enhance management efficiency and convenience for maintenance. It also offers a simple solution to any complications that may arise from auxiliary channel communication. Additionally, even if there are any issues occur such as disconnection or power cycle, it fixes and maintains video settings or resolution.

DPX-1F14A-TR transmits uncompressed and transparent data signal even when used with up to 3m copper cable as an intermediary. This enables installation of the product in the limited spaced area and free from heat generated when the product is operating.

### **Specification**

- Extends up to 8K (7680x4320) at 60Hz DSC  
4K (4096x2160) at 144Hz
- Transmits DisplayPort 1.4 data up to 300m (984feet) over one (1) LC multi-mode fiber (OM3)
- Offers Smart Aux feature to manage auxiliary channel communication
- Extra additional extension available up to 3m on each side (TX/RX)
- Offers total data rate 32.4 Gbps (8.1 Gbps per lane)
- Firmware upgradable via USB Type C port
- Data security with negligible EMI emission
- Certifies FCC and CE standards for EMI/RFI emissions

### **Applications**

- Medical imaging
- Military
- Digital Signage
- Control room
- Rental staging
- Flight Simulation

# DisplayPort 1.4 One (1) fiber optical extender with Smart Aux feature

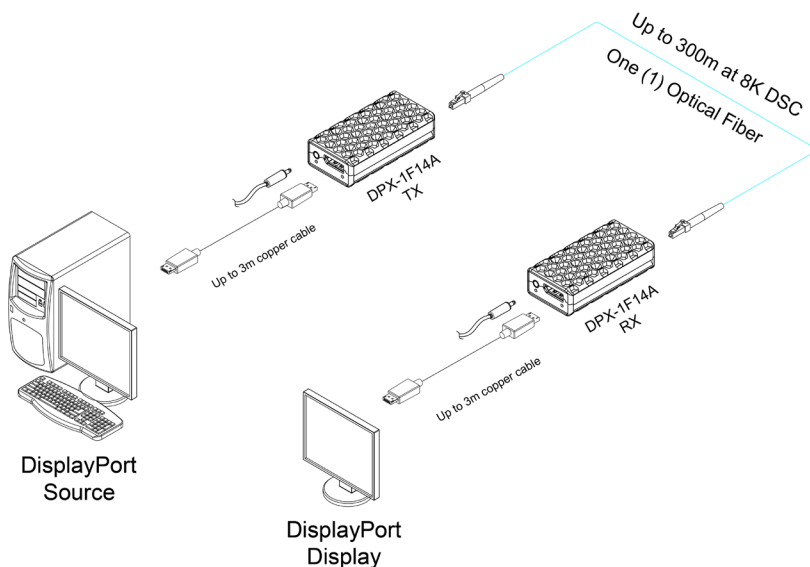
## DPX-1F14A-TR

### Technical Features

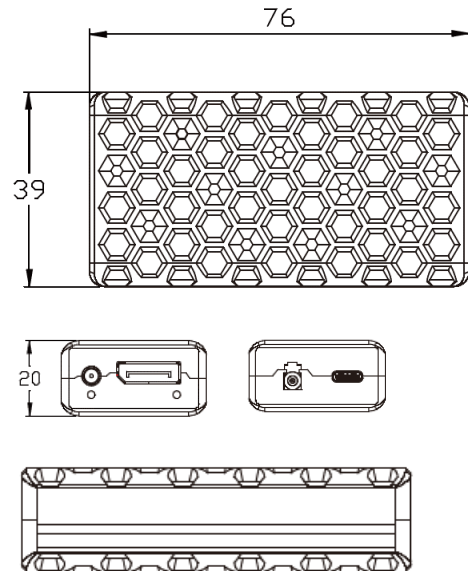
Resolution	Up to 8K (7680x4320) at 60Hz DSC
Bit rate	Up to 8.1 Gbps/lane (Total 32.4Gbps)
Maximum distance	Up to 300m (984feet)
Fiber type	1 LC multi-mode fiber (OM3)
Power supplying	External DC power 5V/1A or USB Type C port 5V/1A
Power consumption	< 2.5W
Operating temperature	0°C to 50°C
Operating humidity	10~85% RH (non-condensing)
Size (LxWxH)	39 x 76 x 20 mm

\* In shipping group, two 3m copper cables are included.  
Contact the regional sales representative or [tosales@opticis.com](mailto:tosales@opticis.com)  
for using 3m copper cable.

### Connection Diagram



### Dimension



Size (LxWxH): 39 x 76 x 20 mm



**Opticis Co., Ltd.**

3F, 305, Sanseong-daero, Sujeong-gu  
Sungnam-si, Gyeonggi-do, 13354 South Korea

Tel: +82 (31) 719-8033

[tosales@opticis.com](mailto:tosales@opticis.com)

Fax: +82 (31) 719-8032

[www.opticis.com](http://www.opticis.com)



*All contents are subject to be changed without prior notice.*