



DisplayPort 1.4 pure optical extender **DPC-MP14-TR**

Description

DisplayPort 1.4 pure optical extender, DPC-MP14-TR enables to transmit up to 8K DSC(7680x4320) at 60Hz. It supports a maximum total bandwidth of 32.4Gbps with 8.1Gbps per lane. Through transmitting high bandwidth data, it can support 5K resolution up to 60Hz and even 4K at up to 144Hz. With transmission of DisplayPort 1.4 signal over MPO cable(OM3), it ensures reliable signal processing and exceptional quality without any latency.

The DPC-MP14-TR is designed with a detachable pigtail type for easy connection to equipment through its DisplayPort end, while the other end can be conveniently linked with an MPO cable. To avoid confusion in the installation environment, the DPC-MP14 applies different colors to the MPO connectors (TX-Aqua, RX-Beige). Furthermore, DPC-MP14-TR is designed to operate reliably across a wide range of temperature, providing stable performance in any environment.

With outstanding EMI(Electro Magnetic-Interference) and RFI(Radio Frequency Interference) characteristics, DPC-MP14-TR is designed for versatility across various fields.

Specification

- Extends up to 8K DSC(7680x4320) at 60Hz
- Transmits DisplayPort 1.4 data up to 330m (1,082feet) over MPO cable (OM3)
- Supports up to 32.4Gbps bandwidth with 8.1Gbps per lane(HBR3)
- Designed as pigtail type for easy installation
- Different color of MPO connectors: TX (Aqua) & RX (Beige)
- Operates in a wide range of temperature from -10°C to 60°C
- Provides immersive Multi-channel Audio, Dolby true-HD, DTS-HD, Master Audio for theater-quality sound
- Data security with negligible EMI emission

Applications

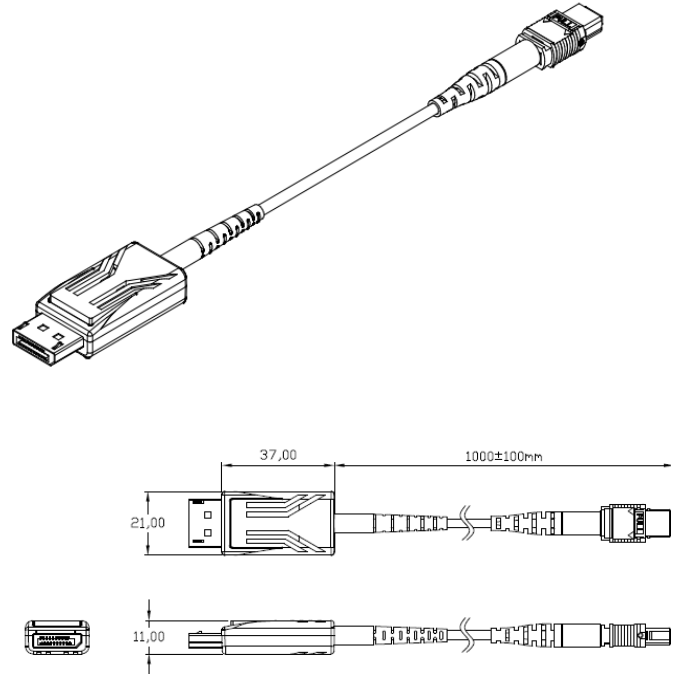
- Medical
- Digital Signage
- Control Room
- Rental Staging
- Flight Simulation
- Dome Projection

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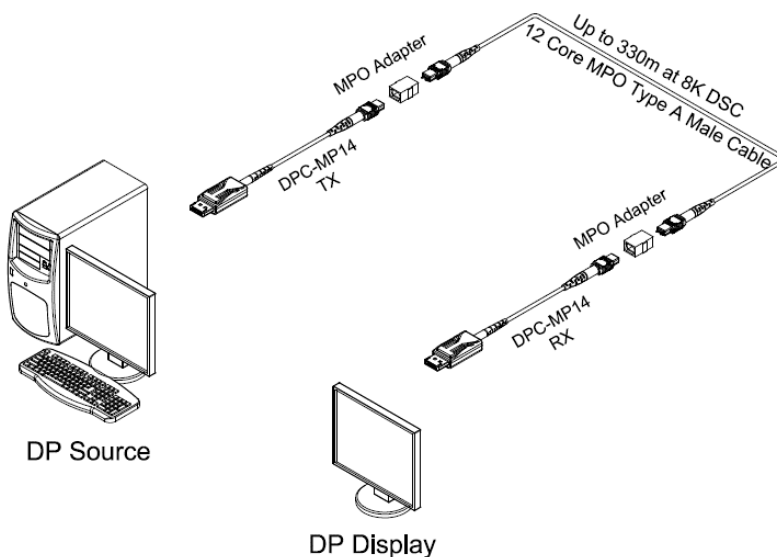
Technical Features

Resolution	Up to 8K DSC(7680x4320) at 60Hz
Bit rate	Up to 8.1 Gbps/lane
Maximum distance	Up to 330m (1,082feet)
Cable Type	MPO Cable (12 core MM OM3 Type A male)
Power supplying	3.3V Internal Power (No external power needed)
Power consumption	Max. 0.6W
Operating temperature	-10°C to 60°C
Operating humidity	5 to 95% RH (non-condensing)
Size (WLH)	21 x 37 x 11 mm
EMI Classification	Class B

Dimension



Connection Diagram



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