

25G-8OPTM2-OB-LC, -SC, -ST, -NT

4K Multimode Optical Output Board

Part No: 9123 0031 (NT), 9123 0039 (ST), 9123 0040 (LC), 9123 0041 (SC)

Features

- Resolutions up to 4K / UHD (30Hz YCbCr 4:2:2)
- Up to 240 m extension distance
- Video and audio transmission
- Ethernet, USB KVM, RS-232, IR, CEC transmission
- Extension to MODEX receivers
- 3D signal support
- 36-bit Deep Color support for up to 1080p@60Hz

25G-OPTM2-OB-LC, -SC, -ST, -NT is a 4K compatible fiber optical output board for the 25G matrix family and available with a variety of fiber optical connectors: LC, SC, ST or Neutrik OpticalCON. These optical boards can extend up to a 240 m distance with Multimode fiber technology. The OPTM technology provides a transparent medium for video, audio, Ethernet, USB KVM, RS-232, IR and CEC data according to the 25G multilayer architecture. It also allows extension to MODEX receiver units.

Compatible products:

- MODEX-OPTM-RX
- 25G-8OPTM2-IB

Supported Media Layers:

- Video Layer with embedded audio
- Forward audio layer
- Return audio layer
- Ethernet layer
- USB KVM layer
- Infra layer
- Consumer Electronics Control layer
- RS-232 & RS-422 control layer



25G-8OPTM2-OB-NT



25G-8OPTM2-OB-SC



25G-8OPTM2-OB-ST



25G-8OPTM2-OB-LC

Specifications

HDCP compliance:	Yes
Max resolutions:	4K / UHD (30Hz YCbCr 4:2:2)
Laser wavelengths:	850, 1310, 1550 nm
3D signal compatibility:	Frame packing, side-by-side, top-bottom
Power consumption:	44,6W (max)
Heat dissipation:	152.2 BTU/h (max)

Optical Budget Data

Wavelength	TX Power	RX Sensitivity	Link Budget
850 nm	-7.5 dBm	-18.5 dBm	11 dBm
1310 nm	-3.5 dBm	-18.5 dBm	15 dBm
1550 nm	-3.5 dBm	-19.5 dBm	16 dBm