

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

4K Multimode Optical Input Board

Part No: 9122 0045 (NT), 9122 0053 (ST), 9122 0054 (LC), 9122 0055 (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 from MODEX transmitters
- 3D signal support
- 36-bit Deep Color support for up to 1080p@ 60 Hz

25G-OPTM2-IB-LC, -SC, -ST, -NT is a 4K compatible fiber optical input board for the 25G matrix family and available with a variety of fiber optical connectors like 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, and allows the extension from MODEX transmitter units.

Compatible products:

- MODEX-OPTM-TX
- 25G-8OPTM2-OB

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-IB-NT



25G-8OPTM2-IB-SC



25G-8OPTM2-IB-ST



25G-8OPTM2-IB-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 |

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 |