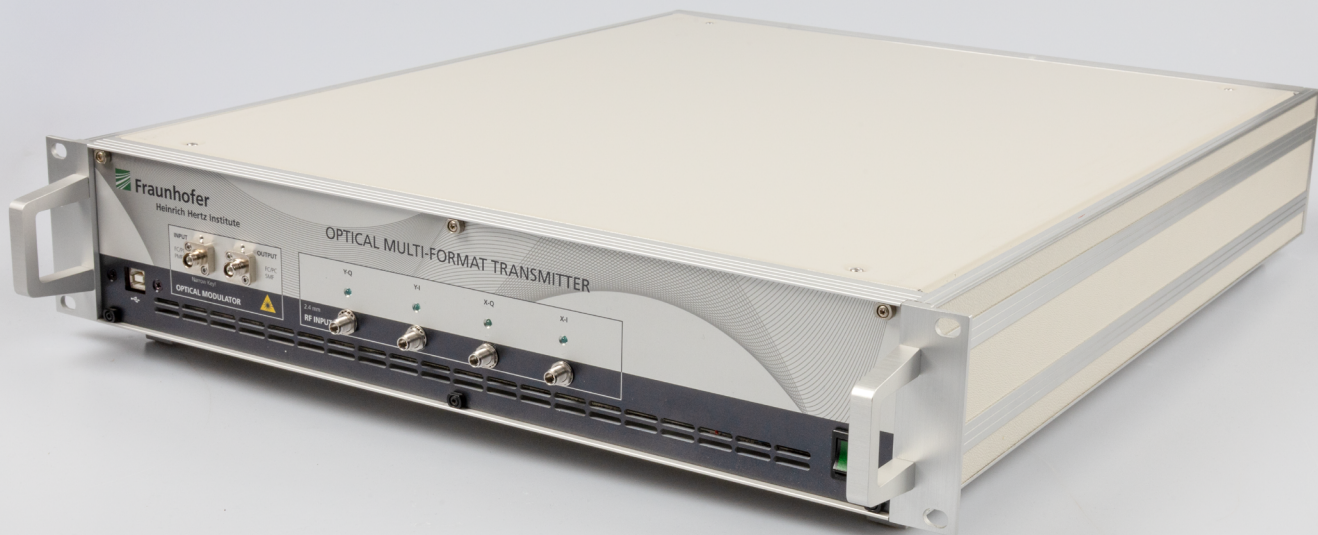


OPTICAL MULTI-FORMAT TRANSMITTER



AT A GLANCE

- Fully integrated optical frontend that converts electrical RF signals into IQ modulated optical signals
- Ideal for generation of various modulation formats (e.g. QPSK and m-QAM)
- Multi-band capable (O- and S-C-L-U-Band)

Features

- High-bandwidth dual-polarization IQ modulation
- Automated BIAS control
- Built-in or external laser source
- Device specific calibration files enable software-based pre-distortion
- Fast and simple switching between modulation formats
- USB & Ethernet interface for remote control
- SCPI style remote control command set, LabView® drivers supplied
- Driverless version for higher signal integrity available

Applications

- Test and measurement in optical communication
- Generation of various optical modulation formats (e.g. QPSK, m-QAM)
- Reference Transmitter
- Multi-channel transmission experiments for system design tests



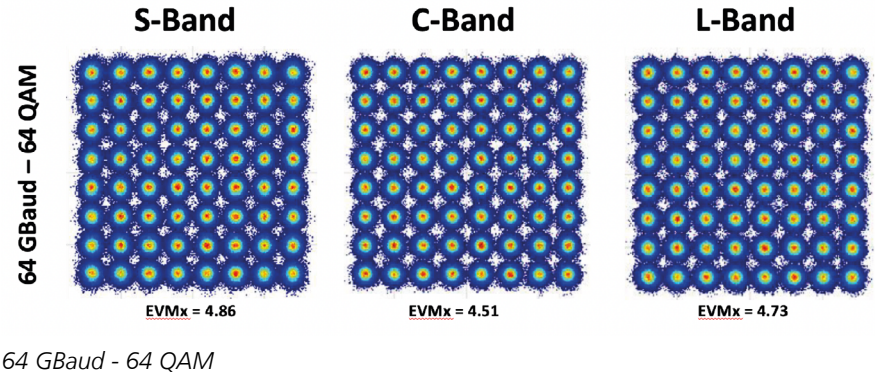
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Parameter	Specification
Wavelength Range [nm]	1260-1360 or 1490-1640
XY Polarization Imbalance [dB]	< 1
Gain Imbalance [dB]	< 1
DC Extinction Ratio [dB]	> 18
IQ Offset [dB]	< -20
Electrical RF Connectors	2.4 mm, female
Insertion Loss [dB] (maximum transmission point setting, no RF modulation)	< 12 dB
EVM, 32GBaud DP-QAM16 [%]	< 10
Input Power Range [dBm]	8 -18
Maximum Ambient Temperature Gradient [K/hr]	+/-1
Output Connector	FC/APC, FC/PC, SC/PC
Optical Fiber	Polarization - maintaining PANDA type Fiber, PER > 20dB, 25typ.
E/O Bandwith 6dB [GHz]	> 40



In cooperation with:

