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Overlight Quattro Optical Receiver

FM/DAB/UHF/SAT

Enhanced electronics and optical engineering to light up your TV

This complete optical Wideband satellite and terrestrial receiver captures the TV optical signal on a single fiber (1100...1650nm) and restores the original terrestrial and satellite TV signals, providing 4 RF outputs with Quattro mode: one of the four TVSAT polarity and band combinations is provided on each connector.

Thanks to its optimized electronics and low losses, it allows to reduce the number of amplifiers required and simplifies deployment in the design of collective installations, preserving the signal quality throughout the process. Furthermore, it is fully indicated for use in GPON installations.

This device is part of the Overlight system, that distributes satellite and terrestrial signals to multiple users through a single optical fiber.

Ref.237540

Art.Nr

OLR44

EAN13

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Highlights

- Very compact in dimensions and weight
- Compatible with GPON deployments
- Low losses
- Optimized electronic behavior
- 100% european design, quality, and manufacturing

Main features

- SC/APC optical connector

- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws
- LED indicator displaying signal status

Technical specifications

TERR number of outputs		1
Legacy number of outputs		4
Frequency range TERR	MHz	87 ... 694
Frequency range SAT	MHz	950 ... 2150
Impedance	Ω	75
Output type		TERR Legacy
Output level	dB μ V	79 ... 83 64 ... 71
Wavelength	nm	1200 ... 1600
Optical device		InGaAs pin photodiode
Optical input level	dBm	-13 ... -6
Powering	Vdc	12 ... 18
Max current @12V	mA	750
Max current @18V	mA	570
Operating temperature	°C	-5 ... 45