

Overlight Optical Receiver with 2 SAT+Terr. Outputs FM/DAB/UHF/SAT

Enhanced electronics and optical engineering to light up your TV

Optical satellite and terrestrial receiver designed for 2-satellite and DTT installations. From its fiber input, it can capture combined optical TV signals (1200...1600nm) and subsequently, process and restore the original terrestrial and satellite TV signals, which it sends through its 2 coaxial outputs: DTT+SAT1 - DTT+SAT2, corresponding to two different satellite downcomers.

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.

This product is certified with the European IRS Certification Scheme mark, representing that it has passed the relevant test as set out in the latest EICS test specification, available from the DTG or CAI.

Ref.	237529
EAN13	8424450280782

Packaging info	
Box	1 pcs.

Physical data	
Net weight	497.00 g
Gross volume	2.60 dm³
Gross weight	609.00 g
Width	137.00 mm

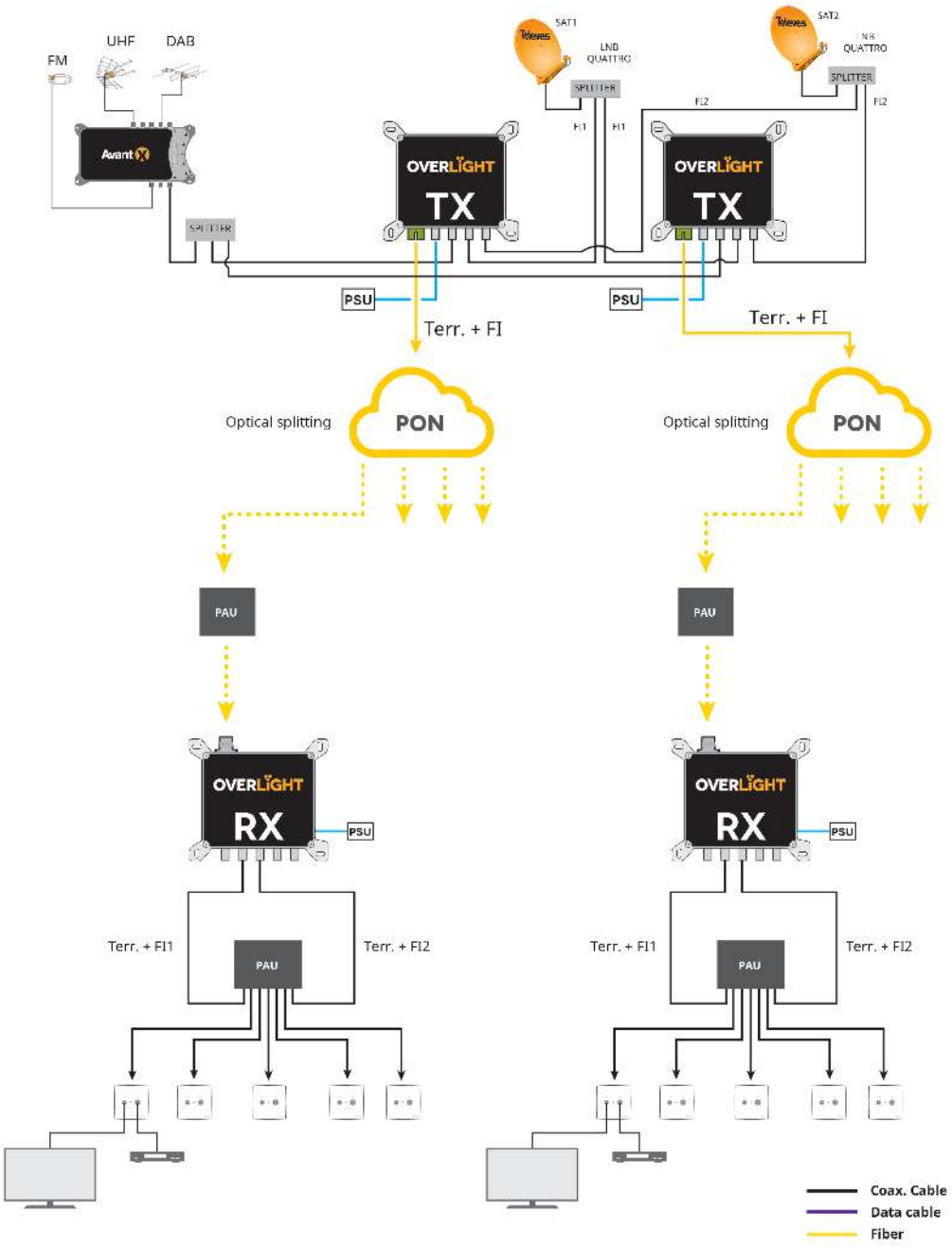
Height	125.00 mm
Depth	44.00 mm
Main product weight	345.00 g

Highlights

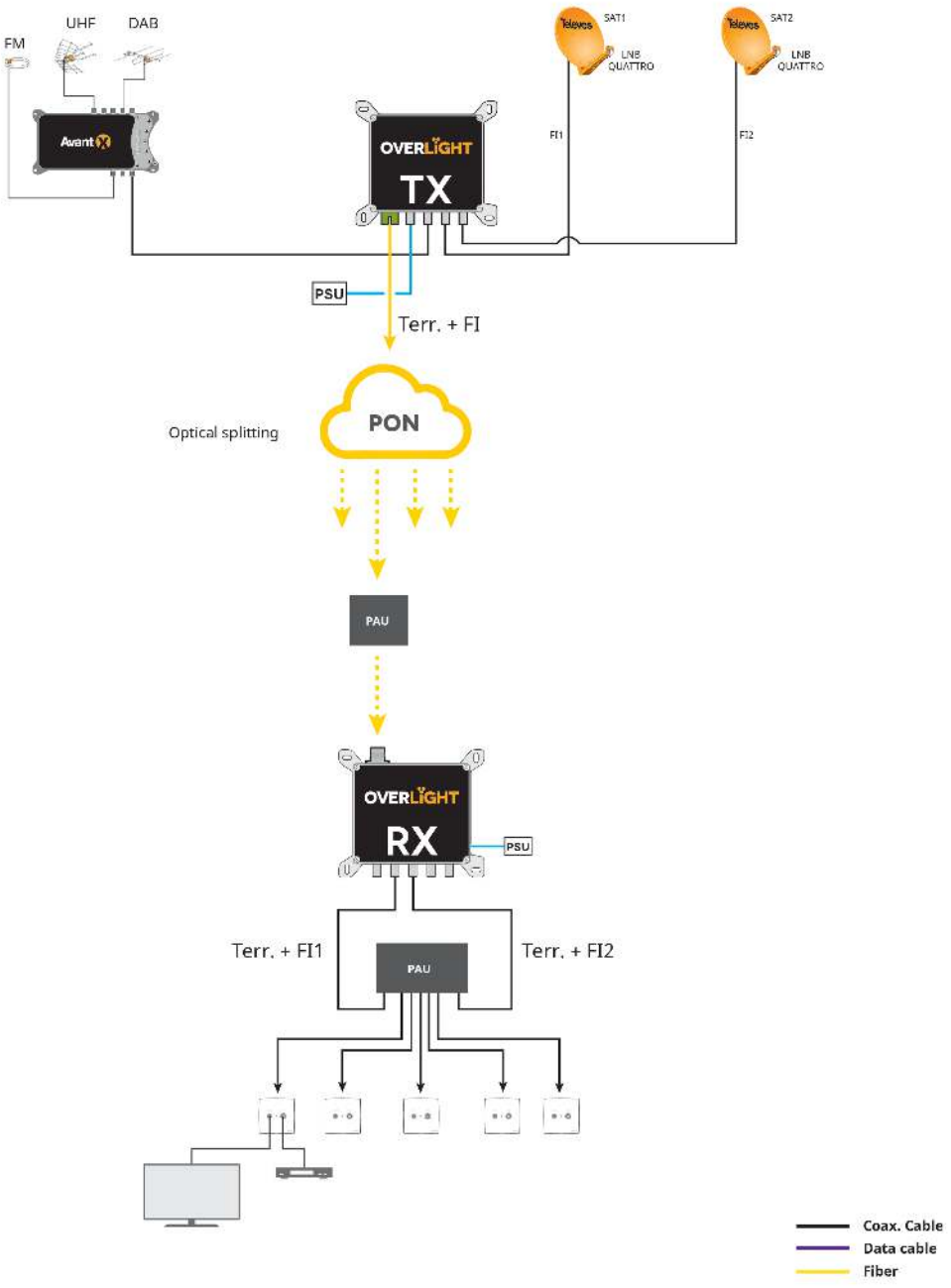
- Independent inputs for each satellite downlink (SAT)
- Low losses
- Optimized electronic behavior
- Very compact in dimensions and weight (137x120x30mm)
- 100% European design, quality, and manufacturing
- High-screening Zamak chassis
- SC/APC optical connector
- F-type RF connectors
- Can be wall-mounted using screws
- Power supply unit included (Ref. 830209)
- LED indicator displaying signal status
- Compatible with IRS systems

Application example

DTT + 2 SAT up to 128 users



DTT + 2 SAT up to 64 users


FM
UHF
DAB
Avant
OVERLIGHT
TX
SAT1
LNB QUATTRO
SAT2
LNB QUATTRO
FI1
FI2
PSU
Terr. + FI
Optical splitting
PON
PAU
OVERLIGHT
RX
PSU
Terr. + FI1
PAU
Terr. + FI2
Coax. Cable
Data cable
Fiber

Technical specifications

Ref. 237529

Number of outputs		2	
TERR number of outputs		2	
DTT+FI number of outputs		2	
Inputs		TERR	FI
Output frequency range	MHz	47 ... 698	950 ... 2200
Output level	dBmV	19 ... 23	11 ... 15
Input wavelength	nm	1200 ... 1600	
Optical input power	dBm	-15 ... -1	
Optical return losses	dB	> 40	
Optical receiving device		InGaAs PIN photodiode	
Optical connectors		SC/APC	
RF connectors		"F" female	
Impedance	Ω	75	
Powering	Vdc	12 ... 18	
Max current consumption (@12V)	mA	195	
Max current consumption (@18V)	mA	130	
PSU input voltage	Vac	100 ... 240	
Max PSU current input	mA	600	
PSU output voltage	Vdc	12	
Max PSU output current	A	1.5	
PSU protection index		23	
PSU operating temperature	°F	23 ... 113	
Operating temperature	°F	23 ... 113	

* These measurements are conditioned to the use of an Overlight transmitter