



Overlight optical transmitter CWDW, Indoor use, Inputs: 2xSAT + 1xTERR, Output: 1550nm, Po 9dBm

Enhanced electronics and optical engineering to light up your TV

CWDM WideBand satellite and terrestrial optical transmitter specifically designed for *point-to-point* applications. This device receives the satellite signal from 2 RF LNBS corresponding to 2 independent satellites in the 250-2150 MHz range, as well as the terrestrial band signal. Subsequently, these signals are distributed over a single fiber output in the 1550 nm window with 9 dBm optical power.

In combination with the other transmitters available in the range (23758x), it is possible to create a transmission system of up to 8 independent satellites.

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.

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

Ref.	237584
EAN13	8424450305416

Packing

Box	1 pcs.
------------	--------

Physical data

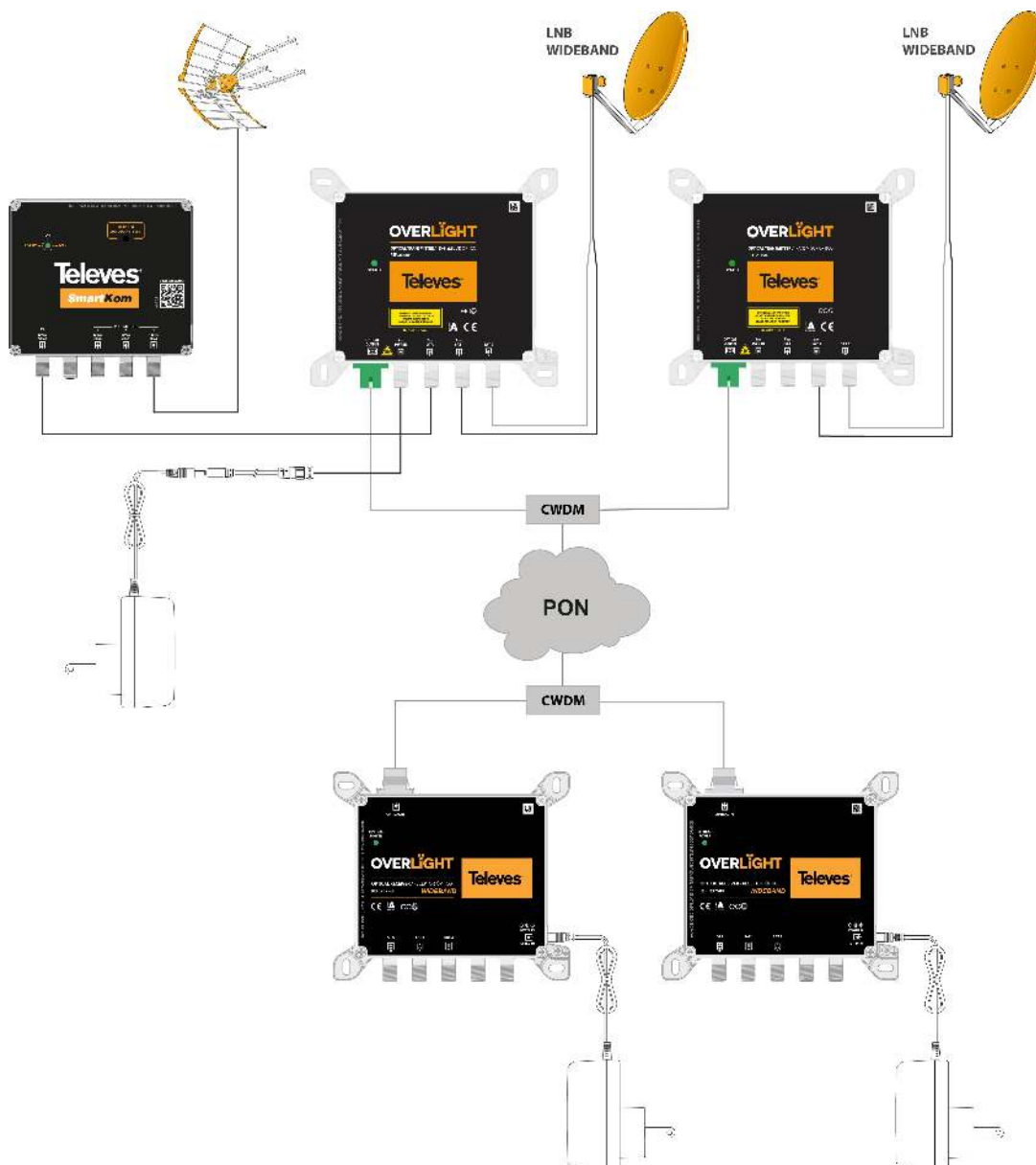
Net weight	540.00 g
Gross weight	660.00 g
Width	138.00 mm
Height	125.00 mm
Depth	45.00 mm
Main product weight	360.00 g

Highlights

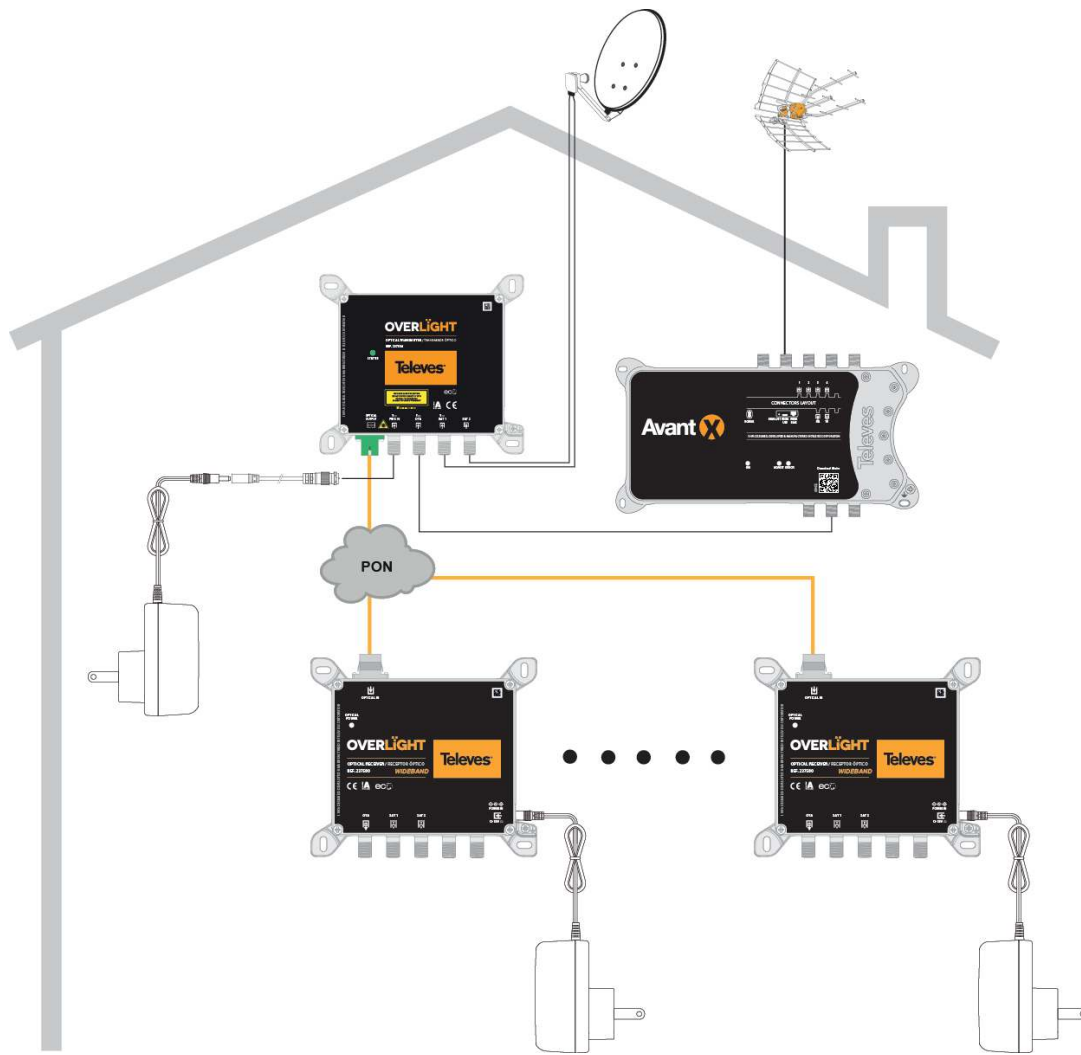
- High output level that makes it ideal for collective installations of up to 64 users
- Designed for the transmission of 2 satellites to up to 64 users. Combined with the existing 23758x transmitters, it is possible to deploy an installation capable of transmitting up to 8 satellites
- Compatible with GPON deployments
- Low losses
- Optimized electronic behavior
- Very compact in dimensions and weight (137x126x45 mm)
- Designed for indoor installation
- Powering from an external power supply, via power input (F connector)
- 100% European design, quality, and manufacturing
- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis

Application example

Overlight point-to-point solution system for the distribution of 2 satellites and OTA signal through a single optical fiber



Overlight point-to-point solution system for the distribution of a single satellite and OTA signal through a single optical fiber



Technical specifications : Ref. 237584

Inputs/Bands		OTA	SAT 1	SAT 2
Frequency range	MHz	47 ... 694	250 ... 2150	250 ... 2150
Input level	dBµV	83 ... 95	70 ... 85	70 ... 85
Number of MUX for Input level		25	52	52
MUX bandwidth for Input level	MHz	8	40	40
Powering per inputs	Vdc	11.7 ... 17.7	11.7 ... 17.7	--
Max. current pass	mA	500	500	--
Max. current pass total inputs	mA		720	
Impedance	Ω		75	
Laser			MQW-DFB uncooled	
Wavelength	nm		1550	
Optical output power	dBm		9	
RF connectors			"F" female	
Optical connectors			SC/APC	
Powering	Vdc		12 ... 18	
Max. power consumption	W		5.6	
Current consumption	mA		< 430	
Operating temperature	°C		-5 ... 45	
PSU input voltage	Vac		100 ... 240	
Max PSU current input	mA		600	
PSU output voltage	Vdc		12	
Max PSU output current	A		1.5	