



Overlight dCSS Optical Receiver with 4 dCSS/Legacy outputs For Multichoice applications, 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 Multichoice services and terrestrial through its 4 RF outputs.

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, and it perfectly adapts to Multichoice applications.

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.	237532
EAN13	8424450252949

Packing

Box	1 pcs.
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Physical data

Net weight	381.00 g
Gross weight	640.00 g
Width	138.00 mm
Height	125.00 mm
Depth	45.00 mm
Main product weight	381.00 g

Highlights

- Very compact in dimensions and weight (137x120x30mm)
- Compatible with GPON deployments
- Supports Multichoice modes
- Low losses
- Optimized electronic behavior
- 100% European design, quality, and manufacturing

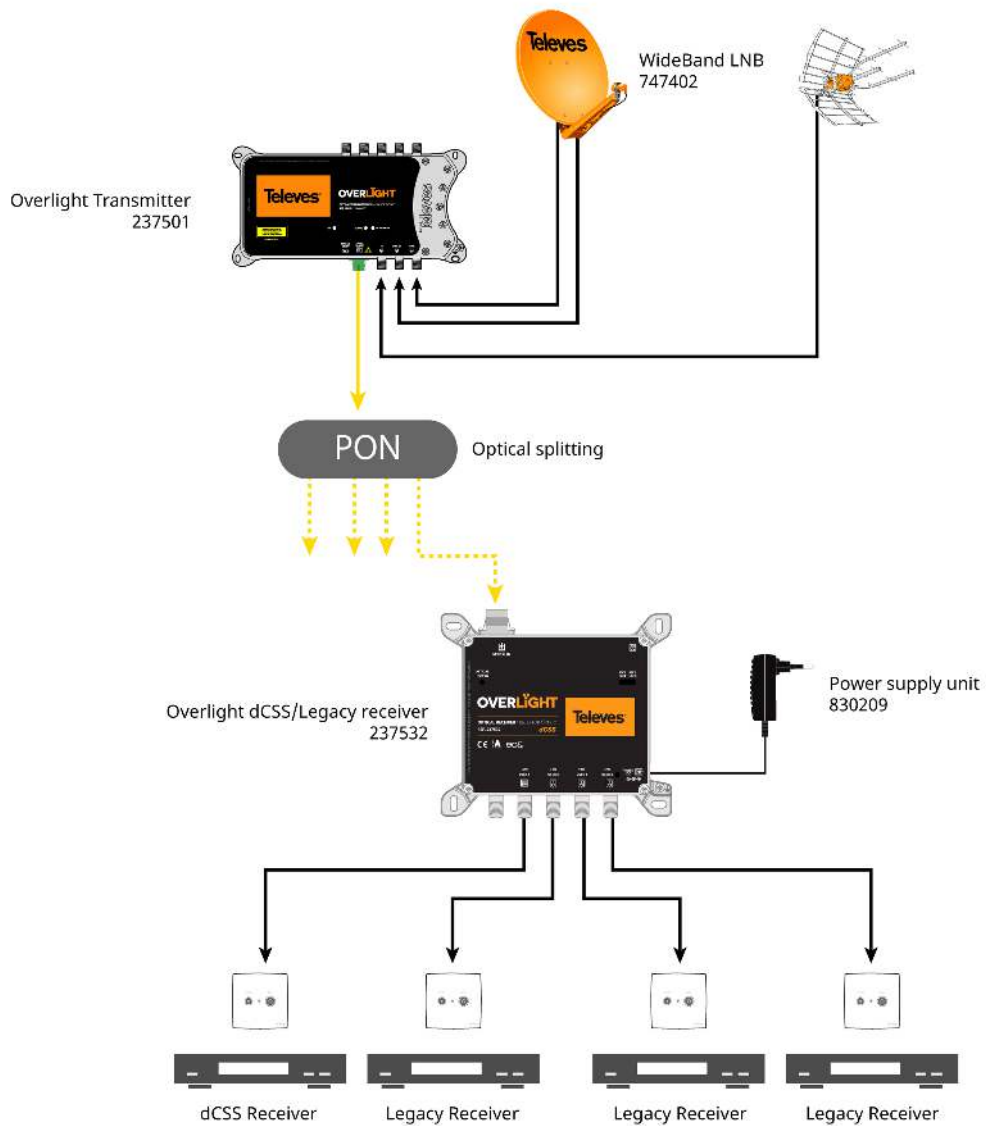
Main features

- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws

- LED indicator displaying signal status
- Compatible with conventional multiswitches in the NevoSwitch series, and with other IRS systems

Application example

FTTH-type installation, in which the distribution of terrestrial TV and TV from satellites with dCSS/Legacy services is carried out.



Technical specifications : Ref. 237532

TERR number of outputs				4
dCSS number of outputs				4
Legacy number of outputs				4
Impedance	Ω			75
Output type		TERR	dCSS	Legacy
Output level	dBμV	69 ... 73	80	64 ... 71
Output frequency range	MHz	87 ... 694	--	950 ... 2150
dCSS standard			Multichoice (EN50494/EN50607)	
Wavelength	nm		1200 ... 1600	
Optical device			InGaAs pin photodiode	
Optical input level	dBm		-13 ... -6	
RF connectors			"F" female	
Optical connectors			SC/APC	
Powering	Vdc		12 ... 18	
Max current consumption (@12V)	mA		750	
Max current (@18V)	mA		530	
Operating temperature	°C		-5 ... 45	

These measurements are conditioned to the use of an Overlight transmitter