



## Overlight dCSS Optical Receiver with 2 dCSS/Legacy+Terr. outputs and 2 Terr. outputs 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: 2 dCSS/Legacy + Terr. outputs and 2 Terr. 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 dCSS 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.

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<b>Ref.</b>	237521
<b>Logical ref.</b>	OLR2
<b>EAN13</b>	8424450246672

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## Packing

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<b>Box</b>	1 pcs.
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## Physical data

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<b>Net weight</b>	381.00 g
<b>Gross weight</b>	381.00 g
<b>Width</b>	138.00 mm
<b>Height</b>	125.00 mm
<b>Depth</b>	45.00 mm
<b>Main product weight</b>	381.00 g

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## Highlights

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

## Main features

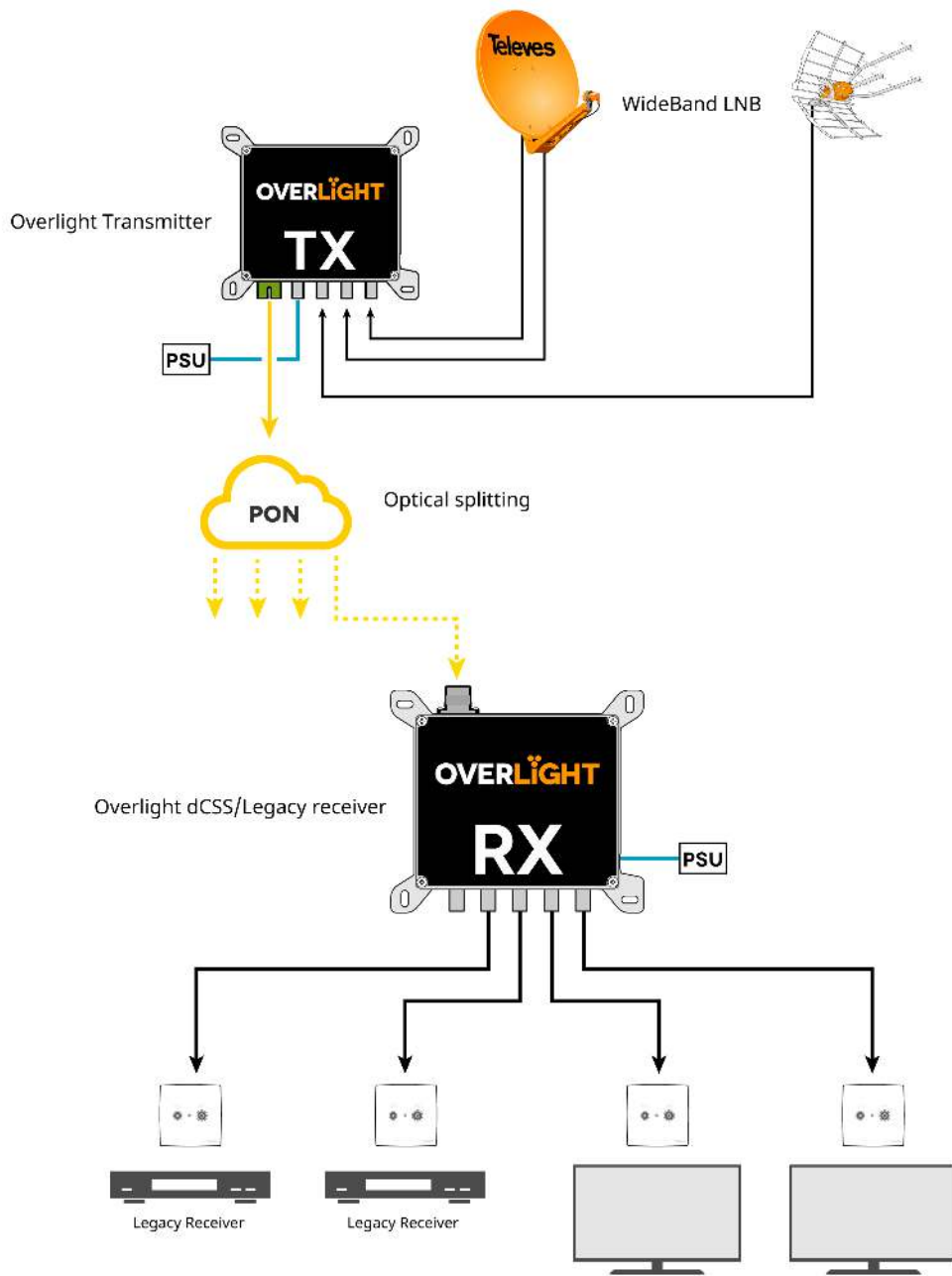
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- SC/APC optical connector
- F-type RF connectors
- High-screening Zamak chassis
- Can be wall-mounted using screws

- Power supply unit included (Ref. 830209)
- LED indicator displaying signal status
- Compatible with IRS systems

## Application example

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## Technical specifications : Ref. 237521

TERR number of outputs				2
dCSS number of outputs				2
Legacy number of outputs				2
Impedance	Ω			75
Output type		TERR	dCSS	Legacy
Output level	dBμV	69 ... 73	80	64 ... 71
Output frequency range	MHz	87 ... 694	--	959 ... 2150
dCSS standard			Germany (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		550	
Max current (@18V)	mA		410	
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	mA		1500	
PSU protection index			23	
PSU operating temperature	°C		-5 ... 45	

These measurements are conditioned to the use of an Overlight transmitter