



FTTH optical transmitter 1310/1550nm, Po 6dBm

The complete satellite and DTT lineup
in a single optical fiber

The FTTH transmitter receives one RF terrestrial
signal (DTT from one headend) and one optical
satellite signal (1310 nm) as inputs. The device
converts DTT into optical (1550 nm) and
multiplexes it with the satellite input to provide one
single optical fiber output (1310 nm/1550 nm) with
all the contents.

Part of FULL SAT + DTT system, to be used together
with the FTTH receiver (ref. 237320).

Ref.	237301
Logical ref.	UOS15501310
EAN13	8424450187098

Packaging info

Box	1 pcs.
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Physical data

Net weight	491.00 g
Gross weight	544.00 g
Width	185.00 mm
Height	80.00 mm
Depth	35.00 mm
Main product weight	491.00 g

Highlights

- High conversion quality: perfect for scenarios where the terrestrial band carries a high number of channels
- Wide dynamic ranges

Main features

- Compatible with legacy and dCSS multiswitches
- High-shielding Zamak chassis
- Can be wall-mounted using screws
- SC/APC and FC/PC optical connectors, and F-type connectors for RF

Application example

PON network with optical LNB and RF Overlay.

In the FTTH Tx (Ref.237301) the 1310nm signal from an optical LNB is mixed with the DTT signal converted to 1550nm. Both signals enter the FTTH Rx (Ref.237311) where the 1550nm DTT signal is converted to RF while the 1310nm window is delivered to an optical converter (Ref.237003) that restores the TVSAT signal into RF.

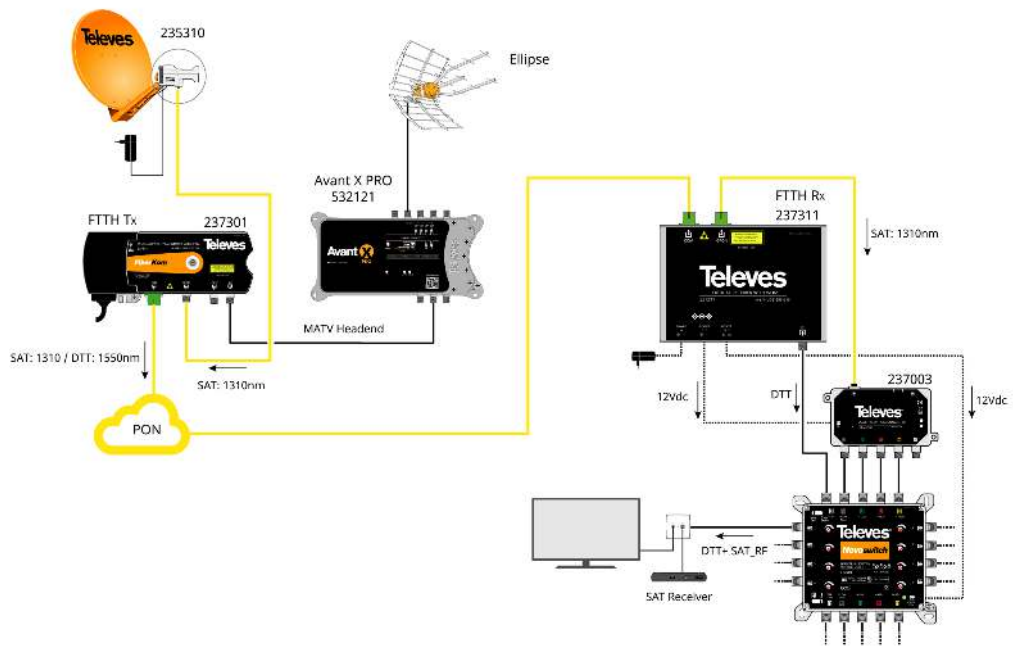
As a result, both DTT and the complete lineup of a given satellite are available at the user outlet.

Power supply not included. Recommended refs.:

732101: 12V-0.8A (EU plug)

732802: 12.5V-2.8A (EU plug)

732210: 12V-1.5A (UK plug)



Technical specifications

RF parameters		
Bandwidth	MHz	47 ... 2200
Flatness	dB	± 0,75 (47-1200MHz) ± 2,5 (47-1200MHz)
Input level	dBμV	79 (47-1200MHz) 42ch CENELEC 95 (950-2200MHz) DIB-VDE 0855/12
CNR/CSO/CTB	dBμV	>51/>60/>65
Optical output		
Laser	Tipo	MQW-DBF
Output power	dBm	+6
Wavelength	nm	1550
General		
Supply voltage	V~	99...253
Maximum power	W	4
Max. current consumption	mA	75 (99V) / 40 (253V)
Dimensions (xyz)	mm	185 x 80 x 35
Weight	g	400
IP protection index	IP	30