



## Optical transmitter 1310nm, +6dBm with 2x Sat wideband (V+H) and DTT inputs IDLF-TX6002-W1310-OPR

**Item: 6112**

The Unifiber™ transmitter distributes satellite and terrestrial signals over a single fiber cable using a single 1310nm wavelength. At its inputs, it connects to the Vertical and Horizontal ports of a Unifiber™ wideband LNB (UK or EU models) and to DTT signals (FM/DAB/DTT) received through a Unifiber™ DTT processing unit. A built-in AGC makes sure whatever size of satellite dish antenna or DTT antenna is used, the input power level to the transmitter remains optimized to distribute high quality signal. The combined signal modulates an internal laser with an output power of +6dBm over a standard FC/UPC optical connector. The output signal can be distributed to a wide range of remote Unifiber™ optical receivers (dCSS/Quad/Quattro/Wideband) through a Passive Optical Network (PON) of Unifiber™ optical splitters supporting FTTH (Fiber To The Home), FTTB (Fiber To The Block) and FTTF (Fiber To The Floor) installations that do not require amplification of the optical signal.

### Main Features:

- Supports Inverto's UK and EU wideband LNB models
- Supports all FM, DAB and DTT broadcasts
- Input level AGC (use any dish, no manual signal level adjustments required)
- Optical budget of up to 21 dB
- Quick and easy install, supporting FTTH, FTTB or FTTF deployment scenarios
- For indoor installations, IP54

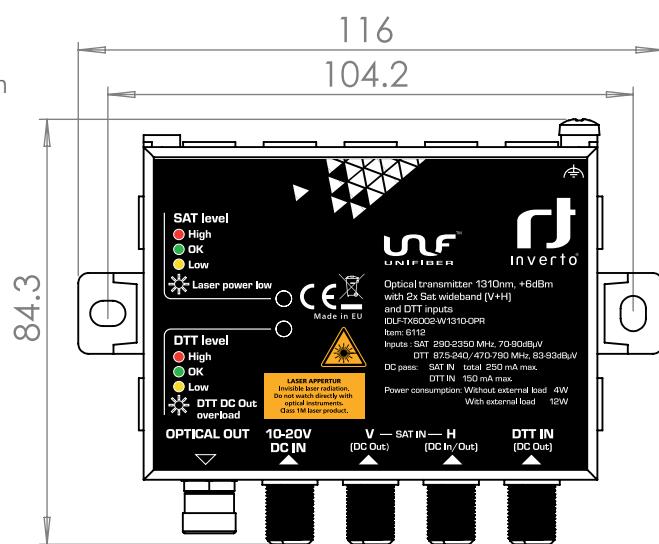
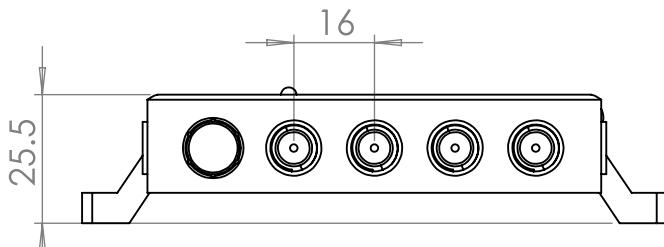


## Technical data

RF Inputs	3, F-Type (2x SAT wideband + 1 TERR)
Optical Output	1, FC/UPC
Satellite inputs	
Frequency range	290 ~ 2350 MHz
Input level range	70 ~ 90 dBuV (per transponder)
Input Return Loss	12 dB min. (75 ohm)
LNB power supply	10-20 VDC, 250mA max.
Terrestrial input	
Frequency range	87 ~ 240, 470 ~ 790 MHz
Input level range	83 ~ 93 dBuV
Input Return Loss	12 dB min. (75 ohm)
Terrestrial antenna power supply	10 ~ 20 VDC, 150mA max.
Optical output	
Output power	+6 dBm
Wavelength	1310 nm
Satellite status LED	Green = OK, RED = High input power, Yellow=Low input power Blinking = laser failure
Terrestrial status LED	Green = OK, RED = High input power, Yellow=Low input power Blinking = DTT DC OUT overload
Power supply	
Voltage range	10 ~ 20 VDC
Power consumption (transmitter unit only)	4 W max.
Operating temperature range	-20° ~ +40° C
Dimensions	116 x 84 x 25.5 mm
Weight	280 g

## Logistical info

Packaging dimensions (h x w x d)	12 x 9.4 x 3.3 cm
Packaging weight	0.3 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	25.2 x 19.9 x 18.5 cm
Carton weight	6 kg
Quantity per pallet	1440 pcs



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.