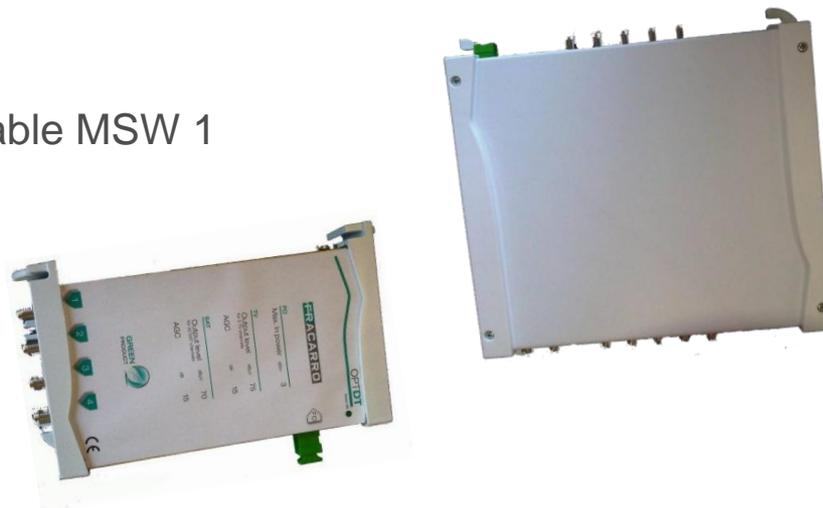


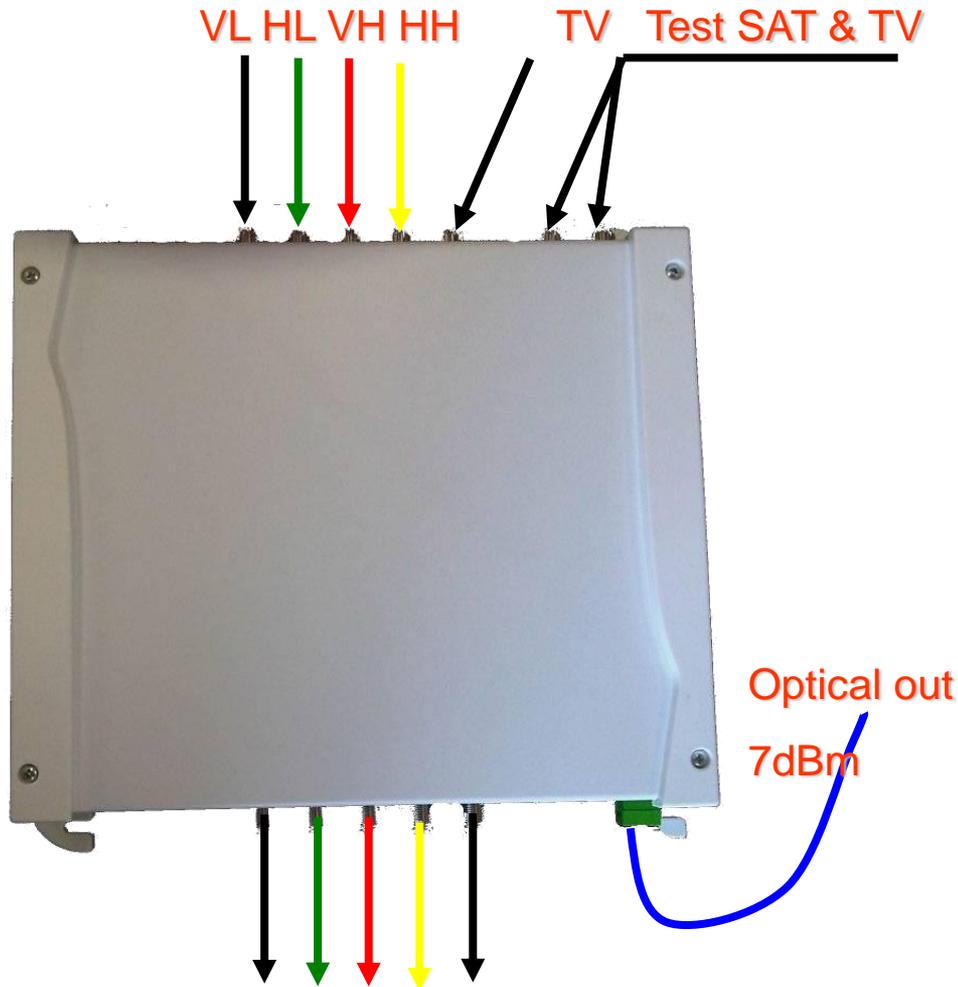
Product Family

- Cascadable optical transmitter as cascadable MSW 1 SAT+Terrestrial (2nd window 1310nm)
- Indoor Optical receiver – Quad or Quattro
- TAP OFF and Splitters
- Connection cables with different length
- New type small connectors Connectors



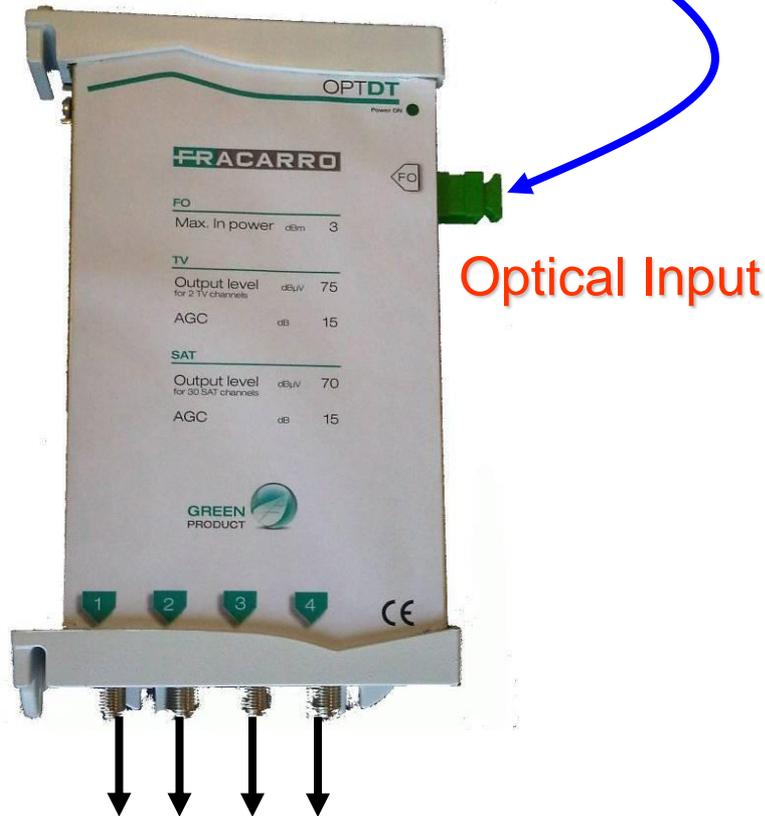
FRACARRO Fiber To Home Solution

Optical Transmitter



Optical output connector	Type SC/APC
SATConnectors	VL , VH, HL, HH
Input bandwidth	950 - 2150MHz
Input level IM3 @ -35dBc IM2 @ -25dBc	75 ÷ 95dBuV
Impedance	75Ω
Gain Control	4 independent AGC
TV Connector	TV IN
Input bandwidth	174 – 862MHz
Input level IM3, IM2 @ -35dBc	70 ÷ 90dBuV
Gain Control	AGC
Optical Connector	OUT
Optical fiber	ITU-T G.652
Safety Class	Class 1M
Laser central wavelength @ 25°C	1310nm
Optical output power	5mW @-10 ÷ +50 °C)
MAIN FEATURES	
Mains	184 ÷ 264VAC, 50 ÷ 60Hz
DC supply current for LNB	300mA@14V
Operating temperature	0 ÷ 50°C
EMC compliance	EN50083-2, EN60065

Optical Receiver



CONNECTORS	
Optical input connector	Type SC/APC
Output connectors	Type F female x4
USER OUTPUTS	
Connectors	RX1, RX2, RX3, RX4
Output bandwidth	TV + SAT 174 – 862MHz + 950 – 2150MHz
Sat Output power level	-35 dBm per transponder
TV Output power level	-35 dBm per transponder
OPTICAL INPUT	
Connector	IN
Optical fiber	ITU-T G.652
Safety Class	Class 1M
Central wavelength	1310nm
Optical input power	max 3dBm
Optical return loss	max -50dB
POWER SUPPLY	
Power supply	max 350mA@14V (@ 0 ÷ +50 °C)
DC Supply	min 14V, max 21V
DC supply inputs	RX1, RX2, RX3, RX4
Operating temperature	-10 ÷ 50°C
EMC compliance	EN50083-2

Universal Output
TV+SAT

- ▶ **Traditional LNB**, standard dish installation and allignment
- ▶ Easy to equalise polarities before conversion from IF to optical power
- ▶ **Cascadable distribution**, typical multiswitch installation easy to be understood by the installers
- ▶ **Easy to update** and enrich a traditional msw distribution
- ▶ **Up to 7 Transmitters in the same trunk** (7 x 128 users = 896 wall outlet per trunk)
- ▶ **Real** (full band VHF+UHF) **terrestrial** distribution
- ▶ **AGC** on transmitters and on receivers (no adjustment needed)
- ▶ **High quality optical connection** (Prysmian partnership)
- ▶ Optical Budget up to **24 dBott**
- ▶ Upgradable solution up to **two different** orbital positions

32 Nodes per Transmitter (128 Outlets)

224 Nodes for 7 Transmitters (896 Outlets)

