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FTTH optical receiver with 4 RF-output 1310/1550nm, DIN rail or wall installation

Select the desired satellite and DTT lineup on a single optical fiber

The FTTH receiver captures two satellite signals on a single fiber and demultiplexes them. The first one, in the wavelength 1310nm carries the dCSS satellite channels using an optical LNB (satellite operator SKY) while the second one in 1550nm, carries the DTT lineup plus a satellite offer using a second dish and a static dLNB.

The FTTH receiver has a physical switch that allows to select between dCSS SKY mode and FTA SAT mode. Depending of the selected choice, one of the two satellite signals plus the DTT lineup is delivered in the four RF outputs. In case of dCSS SKY mode, with the use of a single power supply, it powers up the dCSS optical converter (Ref. 237201).

Part of FULL SAT + DTT system to be used together with a FTTH transmitter (ref. 23730x).

Ref.237320

| | |
|--------|----------------|
| Art.Nr | UOE15501310DIN |
| EAN13 | 8424450214848 |

Highlights

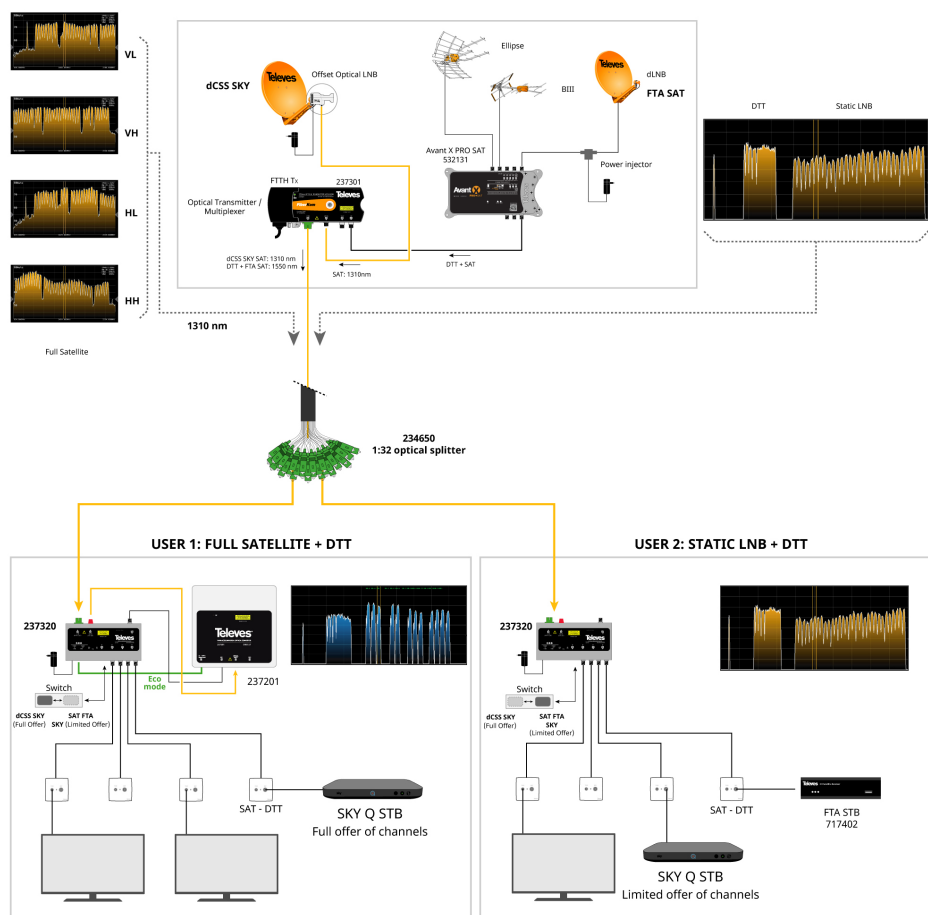
- Standard DIN rail installation: this assembly provides safety and efficiency, as well as saving space, time and cost due its advantage by being able to integrate several electrical devices in an installation with a lower cabling density. It is also possible to mount it screwed on the wall
- Distribution mode flexibility: a switch is included to choose between DTT+Satellite IF or DTT+dCSS/Legacy
- High sensitivity in 1550 nm
- High output voltage in the 4 RF outputs
- Eco-Mode powering with dCSS SKY mode selected: if the STB is switched-off, it ceases to power up the dCSS optical converter, just delivering the DTT lineup with a very low power consumption

Main features

- Compatible with Legacy and dCSS multiswitches
- Equipped with a power supply output to feed an optical converter
- Very pleasant and compact format
- SC/APC and FC/PC optical connectors
- F-type RF connectors

Application example

(Click to see the picture)



Technical specifications

| RF Output | | |
|------------------------------|------|--|
| RF connector | | 4x F-female |
| Bandwidth | MHz | 47 ... 2150 |
| Impedance | Ohm | 75 |
| Return losses | dB | > 7,5 |
| Planicity | dB | ± 2,5 |
| Slope | dB | 1 |
| Self-regulating output level | dBμV | 78 |
| CNR / CSO / CTB | dB | >49 / >60 / >60 |
| Optical input / output | | |
| Number of ports | | 1x COM bidirectional 1x GPON bidirectional |
| Wavelengths | nm | GPON: 1310 & 1490 COM: 1310 & 1490 COM: 1550 |
| Maximum optical input power | dBm | 3 |
| Optical input power | dBm | -10 ... +2 |
| Optical return losses | dB | >40 |
| Optical connectors | | 1x SC/APC (COM) 1x FC/PC (GPON) |
| Type of optical device | | InGaAs pin photodiode |
| General | | |
| Supply voltage | V= | 12-20 |
| Internal device consumption | mA | 150-100 |
| Output DC pass per output | mA | 450 |
| Operating temperature | °C | -5 ... +45 |
| Protection index | IP | 30 |