

Fibre optic to DVB-T receiver



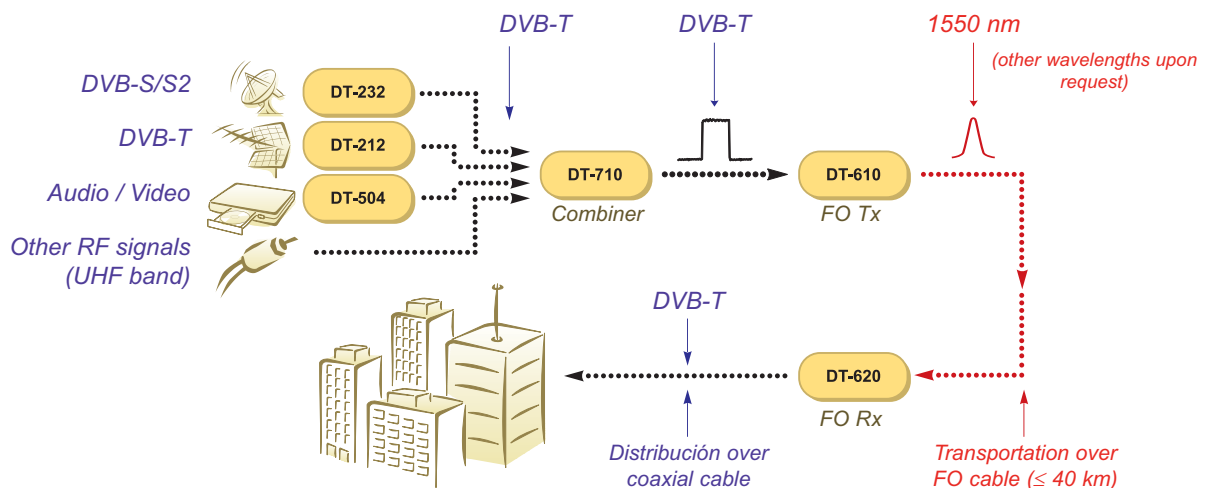
The **DT-620** is an optical receiver that converts input optical signals into RF DVB-T signals to transmit them over a distribution network.

In order to cover a certain distance, the digital signal is converted into an optical signal through a converter (such as the **DT-610**) and once at the other end of the link, the **DT-620** does conversion again to DVB-T, recovering the signal.

The module has an optical SC input and an RF type BNC output. Input is demodulated and optimized to broadcast on DVB-T and DVB-C digital channels.

At the BNC module output there is released an RF signal. Then it can be inserted into a distribution network with the advantages of robustness and high quality offered by the digital technology.

This module is suitable for optical links up to 40 km away (depending on the number of channels). The optical input supports wavelengths from 1100 to 1600 nm.



Specifications	DT-620
Optical Input Wavelengths range Input power Maximum power input Return Loss LED Connector Fibre	From 1100 to 1600 nm From +7 dBm to -10 dBm +10 dBmo. -40 dB. > +10 dBmo (amber) < -8 dBmo (red) SC / APC Single mode 9/125
RF Output Bandwidth Output level Output impedance Connector	From 470 MHz to 862 MHz 0 dBm 50 Ω BNC
Link (with transmitter DT-610) Gain Flatness	0 dB ± 3 dB (at 0 dB of optical loss) 2 dB