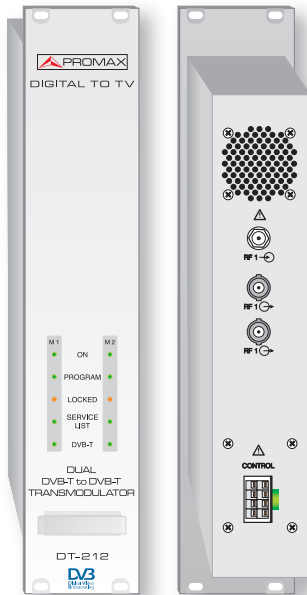


DT-212 Dual DVB-T to DVB-T transmodulator



The **DT-212** is a DVB-T to DVB-T (COFDM) transmodulator. It has a direct COFDM input that can be tuned to any multiplex and output in the UHF band. They are agile in frequency and output level.

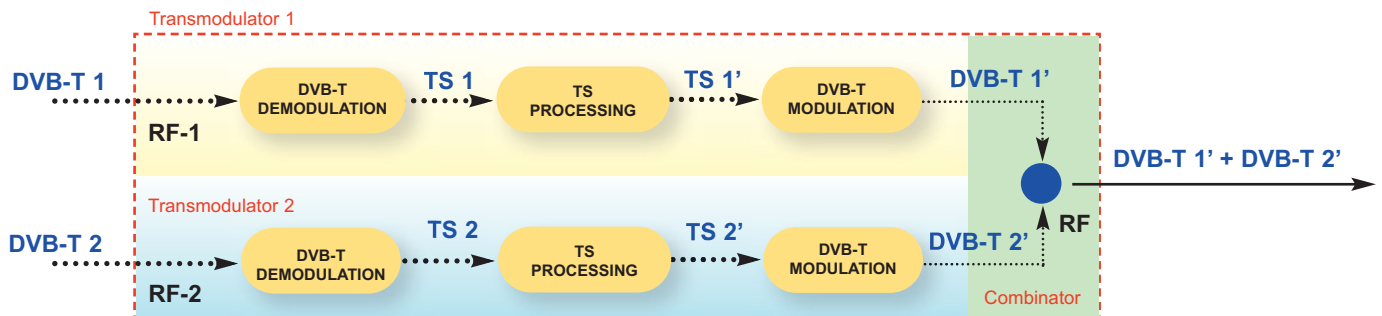
This module allows to regenerate the quality of the multiplex when received from a noisy source. It is also interesting to change the input channel to another channel with total quality preservation.

Specifications	DT-212
RF Input (DVB-T) Type Connector Frequency Range Input Level Information	2 DVB-T independent input 75 Ω Type- F, Female From 170 to 870 MHz 45 – 100 dB μ V MER of the signal
DVB-T Receiver Parameters Carriers Bandwidth channel Guard Interval Code Rate Constellation Spectral Inversion	2k, 8k 7 MHz, 8MHz Automatic (1/4, 1/8, 1/16, 1/32) Automatic (1/2, 2/3, 3/4, 5/6, 7/8) Automatic (QPSK, 16-QAM, 64-QAM) Automatic (ON, OFF)
DVB-T Output Parameters Carriers Bandwidth Guard Interval Code Rate Constellation Spectral Inversion	2k, 8k 7MHz, 8MHz 1/4, 1/8, 1/16, 1/32 1/2, 2/3, 3/4, 5/6, 7/8 QPSK, 16-QAM, 64-QAM ON, OFF
RF Output (DVB-T) - Type - Connector - Frequency Range - Power Level (average) - Frequency Stability - MER - Noise Phase SSB	2 independent combined multiplex DVB-T I connector BNC female, Impedance 50 Ω From 474 to 875 MHz, in 1 Hz-step (see Options for output in VHF band) Aprox. 85 dBuV without attenuation Variable Attenuation from 0 to 30 dB (in 1 dB-step) 10 ppm >37 dB from 650 MHz to 860 MHz >39 dB from 474 MHz to 650 MHz -87 dBc/Hz @ 2 kHz
Configuration	Through the DT-800 Control Module in local (keypad) or remote mode (PC). See DT-800 specifications

DT-212 Dual DVB-T to DVB-T transmodulator

Transport Stream Processing	Selection of Services by Name or streams filtering by PID (PID Filtering with Filtering Table up to 32 PID) Automatic Regeneration of PAT and SDT tables Adaptation of NIT table: Editable NID (Network Identifier) Management for LCN (Logic Channel Number) for each module and each service TS Measures: Bitrate of the Output Multiplex Percentage of used bitrate relative to the maximum capacity of the multiplex
Power Supply Connector Voltage and highest consumption	Via the DT-800 Control and Power module. JST B08P-XL-HDS (connecting cable supplied with DT-800) +12 V <0,55 A ; +5 V <1,4 A
Operating environmental conditions Altitude Temperature range Max. Relative humidity	Up to 2000 m. From 5 °C to 40 °C 80% (up to 31 °C), decreasing lineally up to 50% at 40°C
Mechanical features Dimensions Weight Assembling	W.50 x H. 262 x D.230 mm 1.28 kg In a DT-900 framework for rack or wall
Included accessories 4 x 0 TO4377 4 x 0 AR1942 1 x 0 CC024 1 x 0 CC027 1	Screw M2.5x12 Flat Washer M2.5 BNC/BNC Cable 25 cm BNC/BNC Cable 50 cm User's Manual
OPTIONS DT-212-V Output Frequency:	VHF Option From 170 to 650 MHz
Minimal configuration needed 1 x DT-800 1 x DT-900	Power and Control Module Sub-rack framework to install in a rack or on a wall

Functional scheme



*Available functions to process TS depend on the chosen combination of "Digital To TV" modules. For more details, see modules specifications.