

8 input DVB-T combiner with one single amplified output



The **DT-710** is a combiner with 8 inputs and an output designed to mix output RF signals of **COFDM** modulators and transmodulators with DTT channels available in the area. The system provides an amplified output of 114 dBμV (+6 dBm) frequently required in **SMATV** systems.

This is a solution of higher quality than those that often use Z connections, given that preserves better the original quality and maintains lower noise levels.



Specifications	DT-710
Frequency Bands	From 50 MHz (C-2) to 860 MHz (C-69)
Input Type Connector Return Losses Maximum COFDM Input	8 inputs 75 Ω BNC female <-15 dB 1 channel at 96 dBμV ± 3 dB 2 channel at 93 dBμV ± 3 dB 4 channel at 90 dBμV ± 3 dB 8 channel at 87 dBμV ± 3 dB 16 channel at 84 dBμV ± 3 dB
Output Type Connector Return Losses Maximum COFDM Power MER Bandwidth Gain Maximum output level	1 amplified output 75 Ω BNC female <-15 dB +10 dBm >37 dB from 650 MHz to 860 MHz >39 dB from 50 MHz to 650 MHz 4.2 MHz (BW = 8 MHz) >43 dBc from 650 MHz to 860 MHz >51 dBc from 50 MHz to 650 MHz 23 dB ± 3 dB between each input- output 1 channel at 119 dBmV 2 channel at 116 dBμV 4 channel at 113 dBμV 8 channel at dBμV 16 channel at dBμV
Voltage Connector Consumption	Via the DT-800 Control and Power Module JST B08P-XL-HDS (connecting cable supplied with DT-800) +12 V ; <115 A (105 mA tip.)

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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	W. 50 x H. 262 x D. 230 mm 0.930 kg
Included accesories 4 x 0 TO4377 4 x 0 AR1942 1 x 0 AD051 1 x 0 AD052 4 x 0 ZB075 1 x 0 MI1624	Screw M2.5x12 Flat Washer M2.5 BNC/M-“F”/H Adaptor NC/M-TV/H“NF” Adaptor” BNC Termination Resistor 75 Ω Installation Manual