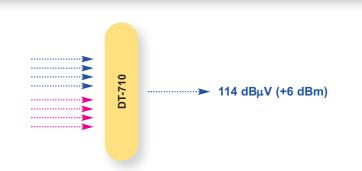


8 input DVB-T combiner with one single amplified output



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 dB μ V (+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	$\begin{array}{c} 8 \text{ inputs} \\ 75 \ \Omega \ \text{BNC female} \\ <-15 \ \text{dB} \\ 1 \ \text{channel at } 96 \ \text{dB}\mu\text{V} \pm 3 \ \text{dB} \\ 2 \ \text{channel at } 93 \ \text{dB}\mu\text{V} \pm 3 \ \text{dB} \\ 4 \ \text{channel at } 90 \ \text{dB}\mu\text{V} \pm 3 \ \text{dB} \\ 8 \ \text{channel at } 87 \ \text{dB}\mu\text{V} \pm 3 \ \text{dB} \\ 16 \ \text{channel at } 84 \ \text{dB}\mu\text{V} \pm 3 \ \text{dB} \\ \end{array}$
Output Type Connector Return Losses Maximum COFDM Power MER Bandwidth Gain Maximum output level	$\begin{array}{c} 1 \text{ amplified output} \\ 75 \ \Omega \ \text{BNC female} \\ <-15 \ \text{dB} \\ +10 \ \text{dBm} \\ > 37 \ \text{dB from 650 \ MHz to 860 \ MHz} \\ > 39 \ \text{dB from 50 \ MHz to 650 \ MHz} \\ 4.2 \ \text{MHz} \ (\text{BW} = 8 \ \text{MHz}) \\ > 43 \ \text{dBc from 650 \ MHz to 860 \ MHz} \\ > 51 \ \text{dBc from 50 \ MHz to 650 \ MHz} \\ 23 \ \text{dB} \pm 3 \ \text{dB between each input- output} \\ 1 \ \text{channel at 119 \ dBmV} \\ 2 \ \text{channel at 116 \ dB\muV} \\ 4 \ \text{channel at 113 \ dB\muV} \\ 8 \ \text{channel at dB\muV} \\ 16 \ \text{channel at dB\muV} \\ \end{array}$
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