

## 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 $\mu$ 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
<b>Frequency Bands</b>	From 50 MHz (C-2) to 860 MHz (C-69)
<b>Input</b> Type Connector Return Losses Maximum COFDM Input	8 inputs 75 $\Omega$ BNC female <-15 dB 1 channel at 96 dB $\mu$ V $\pm$ 3 dB 2 channel at 93 dB $\mu$ V $\pm$ 3 dB 4 channel at 90 dB $\mu$ V $\pm$ 3 dB 8 channel at 87 dB $\mu$ V $\pm$ 3 dB 16 channel at 84 dB $\mu$ V $\pm$ 3 dB
<b>Output</b> Type Connector Return Losses Maximum COFDM Power MER Bandwidth 4.2 MHz (BW = 8 MHz) Gain Maximum output level	1 amplified output 75 $\Omega$ BNC female <-15 dB +10 dBm >37 dB from 650 MHz to 860 MHz >39 dB from 50 MHz to 650 MHz >43 dBc from 650 MHz to 860 MHz >51 dBc from 50 MHz to 650 MHz 23 dB $\pm$ 3 dB between each input- output 1 channel at 119 dBmV 2 channel at 116 dB $\mu$ V 4 channel at 113 dB $\mu$ V 8 channel at 110 dB $\mu$ V 16 channel at 107 dB $\mu$ V
<b>Voltage</b> Connector Consumption	Via the <b>DT-800</b> Control and Power Module JST B08P-XL-HDS (connecting cable supplied with <b>DT-800</b> ) +12 V <115 A (105 mA tip.)

## *8 input DVB-T combiner with one single amplified output*

<b>Operating environmental conditions</b> 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
<b>Mechanical features</b> Dimensions Weight	50 mm (W.) x 262 mm (H.) x 230 mm (D.) 0.93 kg
<b>Included accesories</b> 1x 0 AD051 1x 0 AD052 4x 0 ZB075 1x 0 MI1624	BNC/M-“F”/H Adaptor NC/M-TV/H“NF” Adaptor” BNC Termination Resistor 75 Ω Installation Manual