

DVB-T/H 2-WAY DEMODULATOR

DMDLT-DVBTH



The DVB-T/H demodulator allows to receive 2 IF signals coming from a diversity receiving system in the 50 ÷ 850 MHz band, thus making possible a robust demodulation even at low SNR values. The diversity DVB-T/H demodulator supports all demodulation modes defined in the ETSI DVB-T standard (EN 300 744). The ASI output stream is compliant with EN50083-9 standard.

TECHNICAL SPECIFICATIONS*

*specifications may be changed in accordance with the technical department

DEMODULATOR

Input frequency	50 ÷ 850 MHz
Input level	max. -30 dBm
Sensitivity	typ. -99 dBm
Output signal	ASI continuous mode, compliant with EN50083-9 (1 Vpp, BNC, 75 Ω)
Demodulation	DVB-T COFDM compliant with ETSI EN 300 744
Channel bandwidth	5, 6, 7, 8 MHz
Carriers	2k mode, 4k mode, 8k mode
Constellation	QPSK, 16QAM, 64QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32

GENERAL

Local control	Rotary encoder and display on front panel
Remote control	RS232, HTTP
Power supply	110 ÷ 240 Vac
Power consumption	20 W typ.
Operating temperature	-10 ÷ +45 °C
Storage temperature	-20 ÷ +80 °C
Storage relative humidity	10% ÷ 80%
Dimensions	Rack 19" 1U (483 × 45 × 435 mm)
Protection degree	IP50