

DTMR T700 - Digital TV Monitoring Receiver



DVB-T compact professional measuring receiver plus TS monitor

- QPSK front-end full ETSI EN 300 421 compliant
- Frequency tunable upon TV frequency bands III, IV-V
- MPEG2-TS provided on 2 ASI outputs at 270 Mb/s rate, according to EN 50083-9 standard
- MPEG2-TS ASI input
- RF demodulation quality measurements
- Parts of MPEG2-TS analysis according to TR 101 290
- Internal MPEG-2 de-multiplexer-decoder – PAL, SECAM, RGB video, and audio outputs
- Access to configuration data and analysis (results) on front panel by display and keyboard
- Full remote control through SNMP, RS232, RS485 w/ RPTC, ANTLAN® or others protocols.
- The embedded software can be remotely up-graded
- Alarm thresholds can be set for each measurement or analysis parameter
- 19" 1 U cabinet – 100/240 V – 47/60 Hz-power supply



SPECIFICATIONS

Power Supply	100 - 240 V AC, 47 - 60 Hz
Consumption	< 25 VA
Cabinet	19" rack, 1U, 450 mm depth
Weight	8 kg
Guaranteed specifications	+ 5 to + 45 °C
Operation temperature	0 to + 50 °C

Front-End functionality

- Full compliant to ETS 300 - 744 specification
- Frequency tunable within VHF III and UHF IV-V TV frequency bands
- Offset selectable 0MHz, $\pm 1/6$ MHz, $\pm 2/6$ MHz, $\pm 3/6$ MHz
- Bandwidth selectable 6,7, 8 MHz
- FFT size: 2K and 8 K
- RF Input level: -90 to - 25 dBm (dependent on modulation scheme)
- Guard Interval: 1/4, 1/8, 1/16, 1/32
- Code rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Modulation: QPSK, 16 QAM, 64 QAM

- Hierarchical modes

- Access to all demodulation parameters is available either on the front panel or remotely via web-server, SNMP and RS485 (depending on models) MPEG2 demultiplexing-decoding functionality
- The analog video composite signal output is on a BNC connector, at the rear of the equipment.
- An additional RGB component output is available on a D-SUB /HD 15 pins (VGA type) connector
- The audio output is on XLR 5 type connector, at the rear of the equipment.

MPEG2 demultiplexing-decoding functionality

- The MPEG2-TS, extracted from the COFDM demodulator or from the ASI input, is analyzed according to TR 101 290
- The MPEG transport stream selected by the user is decoded
- The program is converted from digital to analog and coded to the analog TV standard: PAL or SECAM.

