

# DTMR T850 - Digital TV Monitoring Receiver



## The DTMR-T850 is designed for high quality monitoring of digital terrestrial transmitters

- COFDM front-end ETSI EN 300 744 compliant
- TV frequency bands III, IV-V - 6, 7, 8 MHz channels bandwidth
- FFT size: 2K and 8K - hierarchical modes HP and LP
- Internal MPEG-2 demultiplexer-decoder - PAL, SECAM, RGB, and audio outputs
- MPEG2-TS provided on 2 ASI outputs, according to EN 50083-9 standard
- MPEG2-TS ASI input
- RF demodulation quality measurements
- Parts 1,2 &3 of MPEG2-TS analysis according to TR 101 290
- Large pull-out front panel display to access and show configuration data and analysis (results)
- Full remote control via SNMP and web-server (other serial protocols optional)
- Alarm thresholds can be set for each measurement or analysis parameter
- Small size: 19" 1 U cabinet - 100/240 V - 47/60 Hz-power supply

### OPTIONS

- Decoded audio/video over the web, for confidence audio/video checking.



### SPECIFICATIONS

Power Supply	100 - 240 V AC, 47 - 60 Hz
Consumption	< 50 VA
Cabinet	19" rack, 1U, 580 mm depth
Guaranteed specifications	+ 5 to + 45 °C
Operation temperature	0 to + 50 °C

### Front-End functionality

- Fully compliant to ETS 300-744 specification
- Frequency tunable TV frequency bands VHF III and UHF IV-V
- Offset 0MHz,  $\pm 166\text{kHz}$   $\pm 322\text{kHz}$
- Bandwidth 6, 7, 8 MHz
- High Input level: +0 dBm to + 25 dBm
- Low input level: -70dBm to -25dBm
- FFT size 2K and 8 K
- Guard Interval: 1/4, 1/8, 1/16, 1/32
- Code rate: 1/2, 2/3, 3/4, 5/6, 7/8
- Modulation: QPSK, 16QAM, 64QAM

- Hierarchical modes, Alpha levels 1,2 & 4
- Demodulation parameters available either on the front panel or remotely (via WEB Server and SNMP)

### MPEG2 demultiplexing-video decoding

- The MPEG2-TS is analyzed according to TR 101 290 parts 1,2 &3
- The MP@ML audio and video MPEG stream selected by the user is decoded
- The SD video signal is coded to the analog color standard: PAL, SECAM
- The composite signal is output on a BNC connector at the rear of the equipment.
- RGB color components are provided on a D-SUB /HD 15 pins (VGA type) connector
- Two audio channels output on a XLR 5 type connector

