

## DATA SHEET



The **4T2™ Rack** is a 1U, 19in compact and robust, highly accurate transmitter monitoring system for digital broadcasting.

The **4T2™ Rack** has the capability to run one 4T2 Content-Analyser instance per input to simultaneously monitor the MPEG transport stream fed into the transmitter, and the one demodulated from the RF output.

### ASI, IP probe

Content Analysis of multiple transport streams. TR.101.290 1st, 2nd and 3rd priority. PCR analysis. Multi-Viewer. Triggered capture. Black/Freeze and Mute detection on all services. H.265 UHD decoding. Comprehensive logging features.

### DVB T/T2 interface

RF parameter measurements on terrestrial networks. Error Rates, Constellation and Echo displays. Calibrated level and MER readings.

### DVB S/S2 interface

RF parameter measurements on satellite networks. Error Rates and Constellation display. Multi-Stream and BISS support.

### Engineered excellence

Lowest cost of ownership through industry standard hardware and software platform. Fully user-customisable interface.

Seamless integration into network management systems through 64bit Windows operating system.

### physical and power

Dimensions	1u 19" 250mm
Weight	4 kg
Power supply	90 .. 260 V, 47.. 63 Hz

## 4T2™ Rack



SNMP and virtual network remote control and update features.

### fields of use

- Network performance analysis
- Quality of service measurements
- Content verification

### benefits

- Compact, affordable monitoring platform
- All-in-one-box solution.
- Broadcast-grade measurement quality
- RF, and Transport Stream analysis
- Hardware and software from one supplier

### key characteristics

- MER (>42 dB), BER, Constellation, Impulse Response, Spectrum
- Level accuracy 1 dB
- Service Information decoding
- TR.101.290
- PCR analysis
- Triggered capture
- Multi-Viewer with 4k UHD, H.265 support

### interfaces

Terrestrial input	BNC (50 Ω) -78 ÷ -20dBm
EN.300.744, EN.302.755	46.5 ÷ 870 MHz
Satellite input	F (75 Ω) -69 ÷ -23dBm
EN.300.421, EN.302.307	950 ÷ 2150 MHz
DVB-ASI	BNC (75 Ω),
EN.50083-9	max 214 Mbps
IP interface	dual 1000 Mbps

### environmental

Operating temperature	0 ÷ 40°C (32 ÷ 104°F)
Storage temperature	-20 ÷ 50°C (-4 ÷ 122°F)
Humidity	5 ÷ 85 %, non condensing

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