

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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