4T2™ Broadcast Multi Probe bmp1000 allows customers to measure all interfaces present in digital **terrestrial TV**-networks using a standard laptop or tablet computer.

Powered through the USB 3.0 interface, the integrated module combines real-time measurements of RF-**modulation parameters**, with **MPEG transport stream analyser** functions on DVB-T/T2 signals fed through **RF**, **ASI**, or **IP** inputs.

The industry-leading **4T2™ Content-Analyser 64bit** application is operating the advanced DVB-T/T2 measurement receiver while the **4T2™ RF-Analyser** application gives access to expert functions, like **Constellation**, **Group Delay**, **Shoulder Distance**, or **MER vs. Carriers**.

Broadcasters that focus on **Coverage Verification** benefit from the built-in advanced field-strength conversion algorithms as well as from **GPS integration** and the opportunity to superimpose the results on a Map of the area.

fields of use

- Field service, troubleshooting
- Transmitter testing
- Coverage analysis
- Quality of service measurements, content verification
- Network performance analysis

benefits

- All-in-one-box, compact, light-weight, fanless design
- Very good measurement quality
- RF, and Transport Stream analysis on multiple PLP
- T2-MI de-encapsulation support
- Content decoding H.262, H.264, H.265
- Software and hardware from one manufacturer

interfaces

Terrestrial input EN.300.744, EN 302 755	BNC (50 Ω) -90 ÷ 0dBm 46.5÷ 870 MHz
DVB-ASI EN.50083-9	BNC (75 Ω), max 214 Mbps
IP interface	1000 Mbps (GbE)

key characteristics

- MER (>41 dB), BER, Constellation, Impulse Response, CCDF, Group Delay, Spectrum
- Level accuracy 1.5 dB
- Service Information decoding
- TR.101.290, PCR analysis, Triggered capture
- H.264, H.265 HD/UHD support

physical and power

Width	170 mm
Height	40 mm
Depth	200 mm
Weight	< 1 kg
Power supply	USB, or 5V/2A

environmental

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

available options

Integrated SSD for measurement results and TS-data
USB GPS receiver
Calibrated measurement Antenna with protocol