



Universal radio receiver

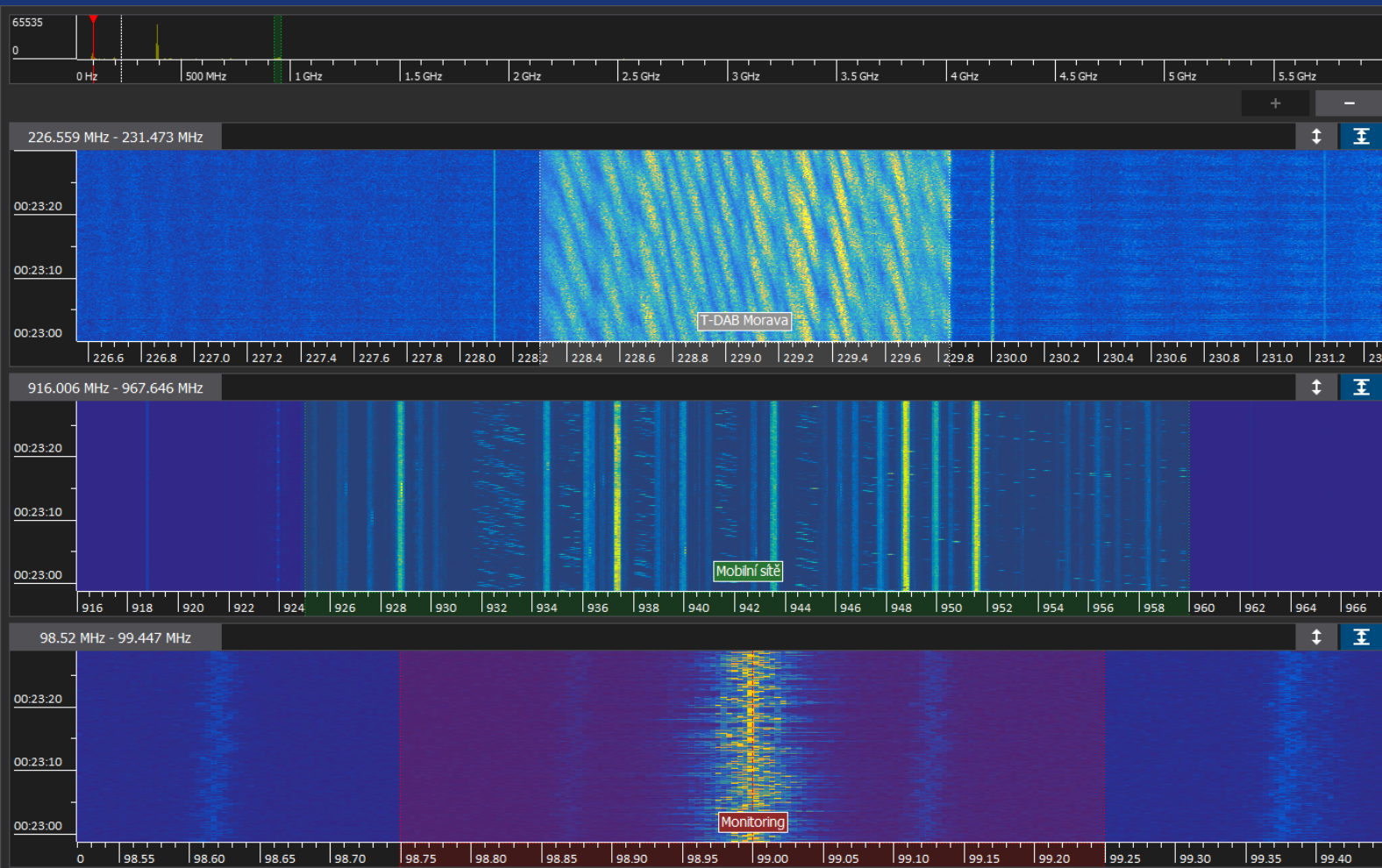
UR206x is a universal dual channel receiver for reception in the frequency range 20 MHz to 6 GHz. It is designed to extend the analysis capabilities of both new and existing systems. Combined with our intuitive software it enables the detection, survey and automatic identification of signals based on a database of known signals.

The basic variant comes equipped with one channel for fast broadband survey of full frequency range and one channel for narrow band monitoring of selected frequency band. Optionally the receiver can be equipped with two surveillance channels or two monitoring channels. Data transfer is done using standard gigabit ethernet with optional optical connection allowing any combination of local and remote use.

Key Features:

- Connection of multiple clients directly to the device
- Each client can monitor its own frequency ranges in the broadband spectrum
- Communication using JSON, XML or SCPI standards
- Easy implementation thanks to clear web interface
- Detailed device diagnostics
- Data recording for detailed post mission analysis
- Small 2U rack mount chassis
- Variable power supply options
- Optional GNSS receiver





Receiver Parameters

- Frequency range: 20 MHz to 6 GHz
- Independent reconnaissance and monitoring channel
- Automatic self-test of input channels
- IF bandwidth: 200 MHz
- Scan speed: 180 GHz/s
- Frequency resolution in broadband mode: 3.8 kHz
- Frequency resolution in monitoring mode: 1 Hz
- Selectable bandwidth for the monitoring mode from 1.5 kHz to 100 MHz (17 steps)
- IF spectrum resolution: 1 Hz to 61 kHz
- Demodulation: AM, FM, LSB, USB, CW
- Selectable demodulator bandwidth from 150 Hz to 200 kHz (16 steps)
- Power supply: 12-24 VDC, 60 W
- Operating temperature: -20 °C to +50 °C

- Dimensions: width 19", height 2U, depth 460 mm
- Weight: <10 kg
- Built-in GNSS receiver*
- Communication interface: 1x LAN (1 Gb/s), 1x OPT* (10 Gb/s)
- Power adapter* (110-230 VAC / 24 VDC)

Software (Optional):

- Flexible GUI with multiple layout options
- Spectrum and/or spectrogram display of defined frequency ranges
- Automatic detection of activity in selected frequencies or frequency bands
- Possibility to record data for detailed analysis (recording of demodulated audio signal and IQ samples)

*optional extension



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