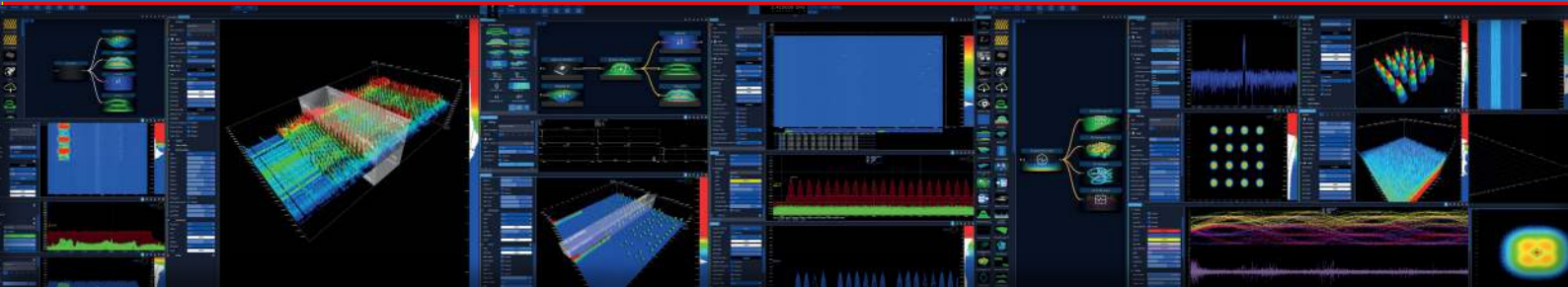


SPECTRAN V6[®]

— BEYOND REALTIME —



6 GHz USB Real-Time Spectrum Analyzer & Vector Signal Generator



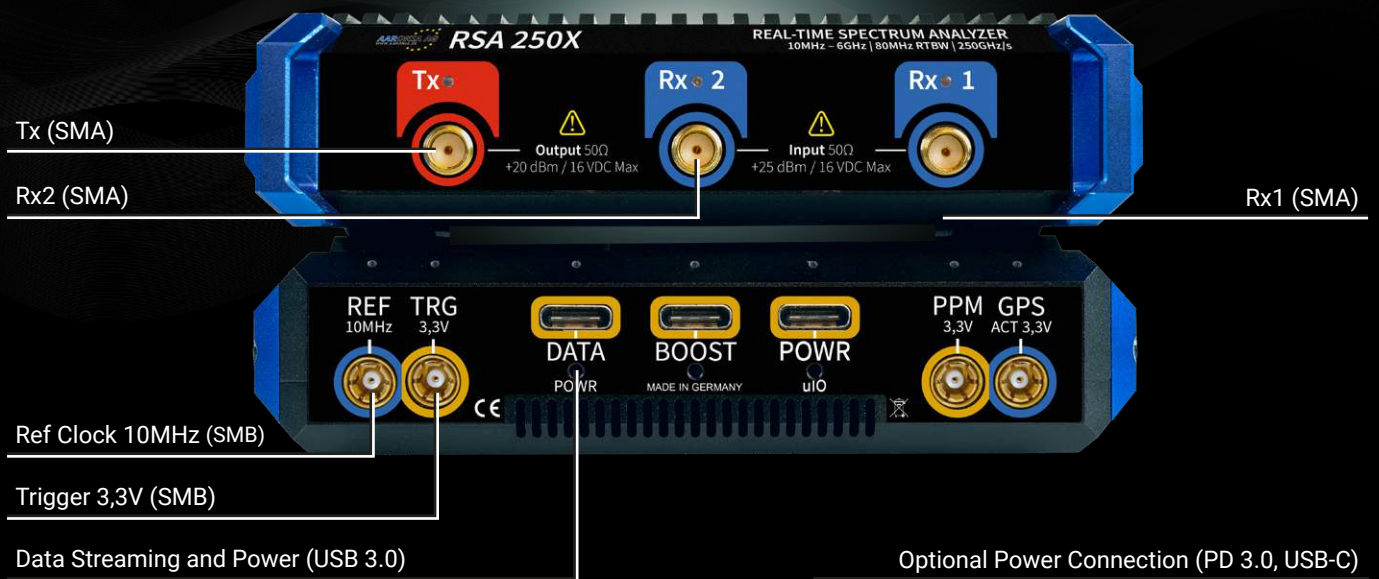
- ✓ RF Frequency range of 10 MHz up to 8 GHz
- ✓ Continuous 245 MHz true I/Q streaming
- ✓ Simultaneous measurement of multiple bands
- ✓ Dual USB 3.0 streaming
- ✓ RTSA-Suite PRO software
- ✓ 120 MHz Vector Signal Generator

Highlights

- ✓ World's first dual USB true I/Q streaming – up to **784 MBytes/s**
- ✓ Scans 6 GHz in less than 5 ms (1 THz/s)
- ✓ Unlimited continuous true I/Q streaming over up to 2 x USB 3.0
- ✓ Instantaneous bandwidth (complex I/Q) of up to 245MHz
I/Q vector signal generator bandwidth of up to 245 MHz
FFT-based POI up to 97 ns
I/Q-based POI up to 10 ns
Extraordinary dynamic range from a 16-bit ADC at 2GSPS
Radio Frequency range of 10 MHz to 8 GHz
Sample rate: 500 MSPS (16 Bit Dual 256 MSPS I/Q-Data)
FPGA: 930 GMAC/s
FFT rate: 960 Million FFT-points/s (120 Million FFTs/s)
Full MATLAB support
Fully automatic pulse classification (decodes Wifi, BT, GSM, DECT, QPSK, QAM etc.)
Stackable accessories
Extremely compact and lightweight
Including “RTSA-Suite PRO” spectrum analysis software with regular updates
Made in Germany



Introduction

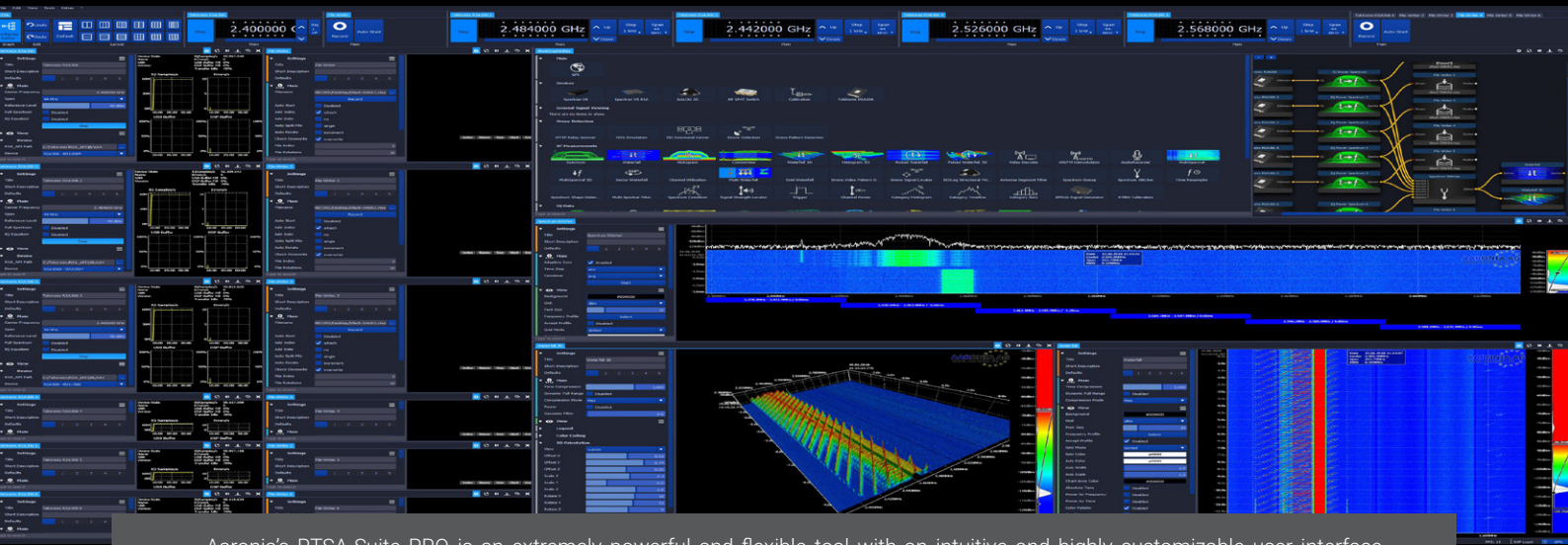


- ✓ Real-Time USB IQ-streaming
- ✓ Ultrawide frequency range from 10 MHz up to 6 GHz
- ✓ Compact size: 210 x 115 x 30 mm
- ✓ Weighs only 850 g
- ✓ Included PC software
- ✓ Tough, high quality aluminum case
- ✓ 50 Ohm RF input and output (SMA)
- ✓ Stackable



RTSA-Suite PRO

World's most powerful RTSA software with endless possibilities!



Aaronia's RTSA-Suite PRO is an extremely powerful and flexible tool with an intuitive and highly customizable user interface. Our node-based software enables users to identify, capture, demodulate and track any signal, and offers a multitude of ways to graphically display the signal detection.

RTSA-Suite PRO — Layout

An amazing block solution offers a convenient configuration to match any requirement!



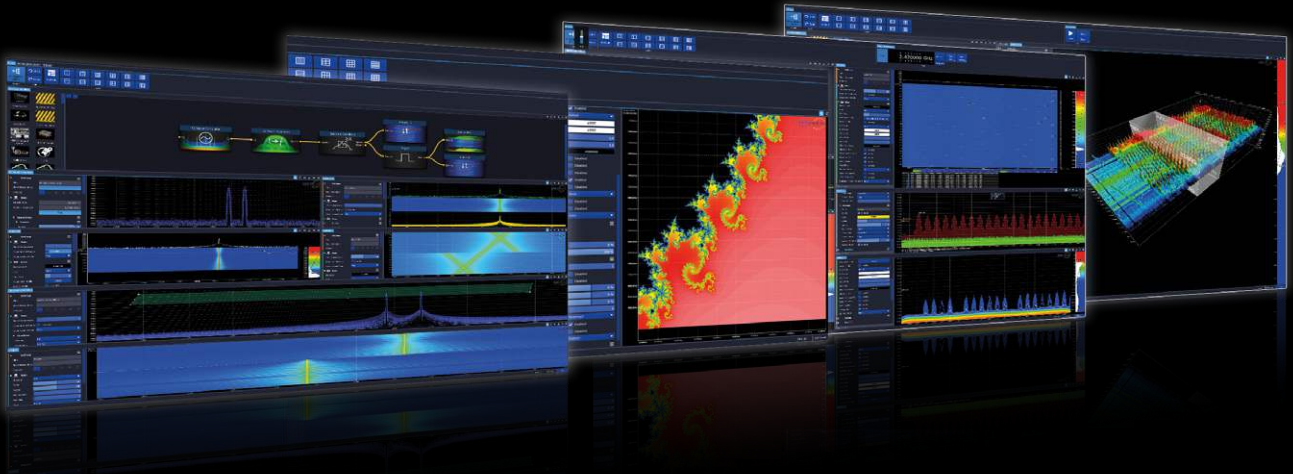
Multiple 2D/3D Spectrum Analysis

Trigger Block

Powerful Script Block

Various Demodulations

3D/4D Waterfall



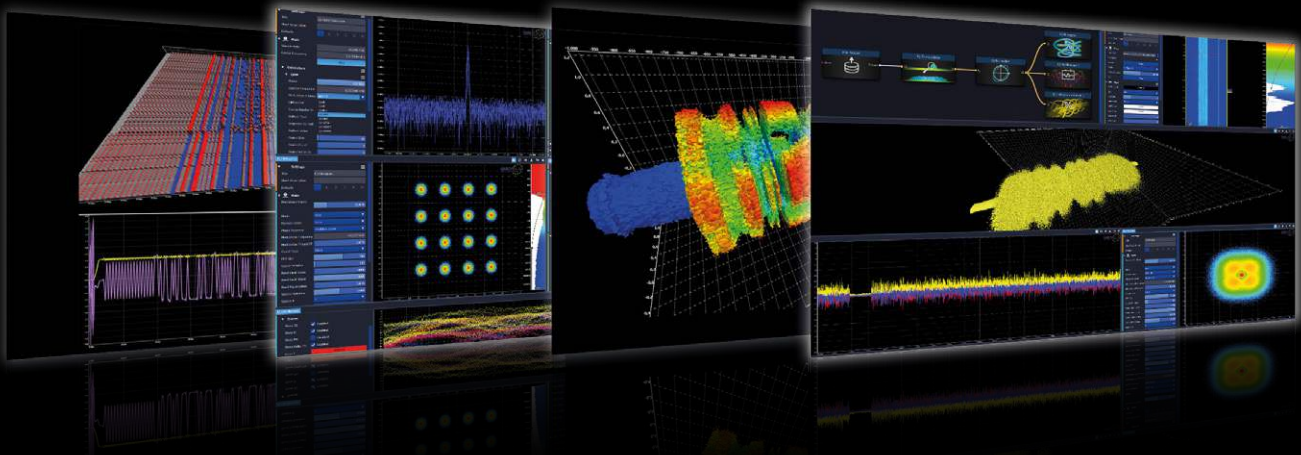
2D/3D IQ Streaming & Decoding

DECT Decoding

Software IQ Generator

3D IQ Display

DAB IQ Demodulation



Multi Unit Stitching / Multi Frequency Monitoring

Multi Frequency Monitoring

Multi Waterfall

V6 full Frequency Monitoring

Multi-Unit Stitching



Accessories

RF over Fiber (Rx/Tx)

Converts an RF signal into a laser signal for lossless streaming of data over long distances through a fiber optic cable.



4-way Splitter/Combiner

External 4-way low-loss splitter/combiner (e.g. stitch multiple V6 units)

26800 mAh Power Pack

External Power Pack with 26800 mAh capacity. Extends the battery runtime by up to 4-5 hours. Strongly recommended for outdoor operation. Stackable.



REFERENCES

Selected Aeronia Clients

Government, Military, Aeronautic, Astronautic

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Industry

- IBM, Switzerland
- Intel, Germany
- Shell Oil Company, USA
- ATI, USA
- Microsoft, USA
- Motorola, Brazil
- Audi, Germany
- BMW, Germany
- Daimler, Germany
- Volkswagen, Germany
- BASF, Germany
- Siemens AG, Germany
- Rohde & Schwarz, Germany
- Infineon, Austria
- Philips, Germany
- Thyssenkrupp, Germany
- EnBW, Germany
- CNN, USA
- Duracell, USA
- German Telekom, Germany
- Bank of Canada, Canada
- NBC News, USA
- Sony, Germany
- Anritsu, Germany
- Hewlett Packard, Germany
- Robert Bosch, Germany
- Mercedes Benz, Austria
- Osram, Germany
- DEKRA, Germany
- AMD, Germany
- Keysight, China
- Infineon Technologies, Germany
- Philips Semiconductors, Germany
- Hyundai Europe, Germany
- VIAVI, Korea
- Wilkinson Sword, Germany
- IBM Deutschland, Germany
- Nokia Siemens Networks, Germany