SPECTRAN®V6

BEYOND REALTIME
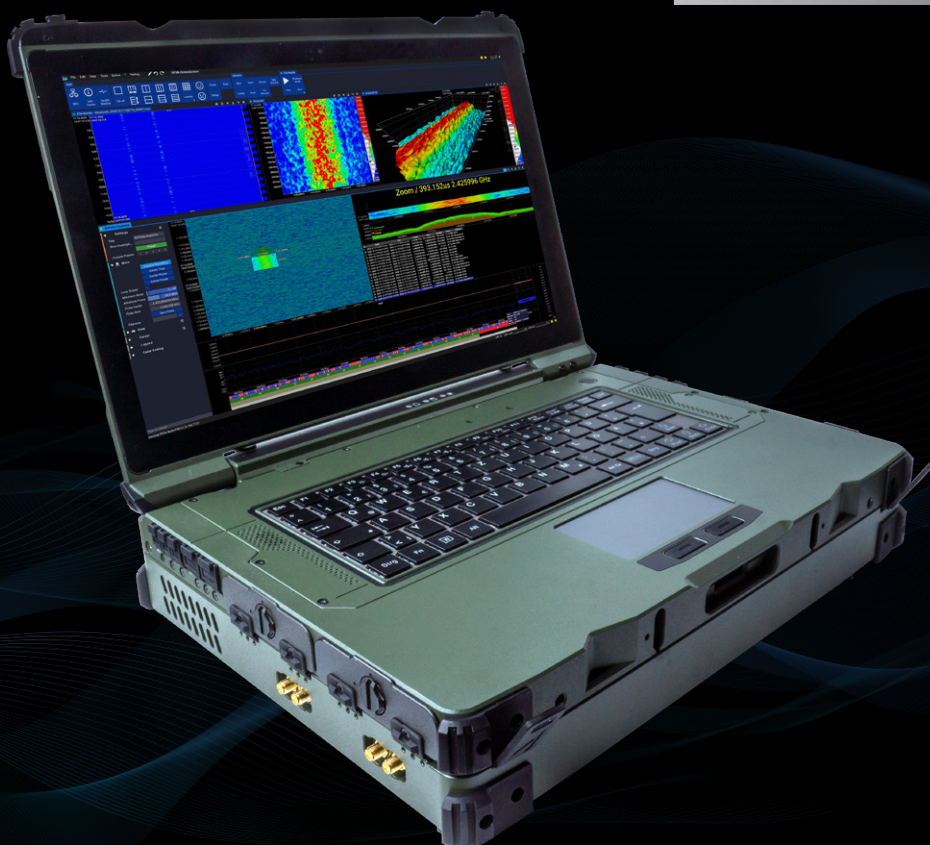
Real-Time Spectrum Analyzer
Outdoor Laptop
245 MHz RTBW | 10 MHz – 8 GHz

MADE IN GERMANY

AARONIA AG
WWW.AARONIA.DE

SPECTRAN® V6 MIL
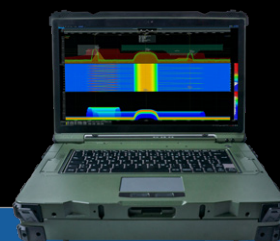
Main Units

Art. #	Item	RTBW	Speed	I/Os	Price	Shop
102/013	SPECTRAN® V6-MIL (10MHz – 6GHz)	80 MHz Rx	300 GHz/s	1x**Rx**	€ 24.980,00	🛒
102/014	SPECTRAN® V6-MIL PRO (10MHz – 6GHz)	120 MHz Rx / 120 MHz Tx	440 GHz/s	1x**Rx** & 1x**Tx**	€ 29.980,00	🛒
102/015	SPECTRAN® V6-MIL ENTERPRISE (10MHz – 6GHz)	160/245 MHz Rx / 160/245 MHz Tx	> 1 THz/s	2x**Rx** & 1x**Tx**	€ 39.980,00	🛒
102/004	SPECTRAN® V6 XFR PRO	up to 245 MHz Rx / up to 120 MHz Tx	up to 1 THz/s	2x**Rx** & 1x**Tx**	€ 24.980,00	🛒

*There are export restrictions for devices above 160 MHz real-time bandwidth

Hardware Options

Art. #	Item	Price	Shop
112/005	**120MHz RTBW Rx** (V6-MIL only)	€ 1.998,00	🛒
112/006	**245MHz RTBW Rx** (V6-MIL PRO only)	€ 5.998,00	🛒
112/008	**120 MHz Tx Vector Signal Generator** (V6-MIL only)	€ 2.998,00	🛒
112/009	**245 MHz Tx Expansion** (V6-MIL ENTERPRISE only)	€ 1.498,00	🛒
112/003	**Ultra Low Noise Preamp** (add 2 for V6-MIL ENTERPRISE)	€ 498,00	🛒
112/002	**OCXO Timebase** (5ppb)	€ 1.498,00	🛒
112/007	**Internal GPS incl. active GPS antenna with SMB cable**	€ 498,00	🛒
112/004	**Extended temperature range** (from -40°C to +75°C)	€ 998,00	🛒
112/010	**8 GHz Extension WiFi 6E**	€ 498,00	🛒

Warranty Extensions (Applies to all devices and antennas)
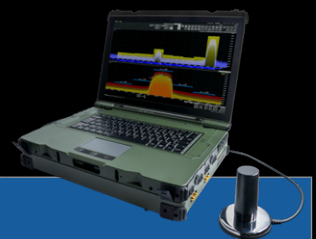
WA-3Y	**3 years extended warranty** / For your device including options and accessories *	**8%** of total price
WA-4Y	**4 years extended warranty** / For your device including options and accessories *	**16%** of total price
WA-5Y	**5 years extended warranty** / For your device including options and accessories *	**30%** of total price

* Excluding internal batteries, external batteries and battery packs

Additional Devices & Bundles

Additional Devices

Art. #	Item	Price	Shop
503/032	4-Way Splitter / Combiner	€ 998,00	🛒
502/017	Coupler	€ 2.498,00	🛒
503/033	S-Parameter Kit (Coupler & Pair of High Quality SMA cable)	€ 3.498,00	🛒

Technical Surveillance Counter-Measures Bundles

Art. #	Item	Price	Shop
104/011	**TSCM MIL Bundle 1** (SPECTRAN® V6-MIL (160MHz RTBW, 2 x Rx, 1 x Tx) incl. GPS, OmniLOG PRO 1060, SMA Quick Adaptor, PSU, Outdoor case)	€ 29.998,00	
104/012	**TSCM MIL Bundle 2** (SPECTRAN® V6-MIL (160MHz RTBW, 2 x Rx, 1 x Tx) incl. GPS, OmniLOG PRO 70100-H, SMA Quick Adaptor, PSU, Outdoor case)	€ 30.998,00	

RTSA-Suite PRO Add-ons
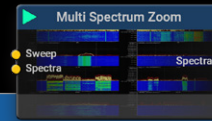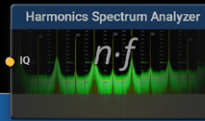
RTSA-Suite PRO Blocks

Art. #	Item	Price	Shop
NEW 122/040	Spectrum Notch Filter	€ 4.998,00	🛒
NEW 122/041	Spectral Background Mask	€ 9.998,00	🛒
NEW 122/043	IQ Direction Power Spectrum	€ 4.998,00	🛒
NEW 122/042	Stream Portal	€ 9.998,00	🛒
NEW 122/035	RF Drive Test	€ 14.980,00	🛒
122/017	IQ Pulse Inspector	€ 24.998,00	🛒
122/003	Frequency Range Follower	€ 24.980,00	🛒
122/015	Multi Stream Logger	€ 9.998,00	🛒
122/014	Multi Spectrum Zoom	€ 29.980,00	🛒
122/031	Spectrum Stitcher	€ 4.998,00	🛒
122-038	Spectran V6 Tracking Generator	€ 2.498,00	🛒
122/029	Tektronix RSA Spectrum Analyzer	€ 2.498,00	🛒
122/028	RF SP4T Switch	€ 498,00	🛒
122/008	NRQ6 Power Sensor	€ 1.498,00	🛒
122/007	NRP-Z11 Power Sensor	€ 1.498,00	🛒
122/032	Spectran V6 Sweep Generator	€ 498,00	🛒
122/001	Short Burst Suppression Filter	€ 1.498,00	🛒
122/005	Harmonics Spectrum Analyzer	€ 498,00	🛒
122/037	Receiver Band Sequencer	€ 4.998,00	🛒
122/034	IQ WiFi Interaction Mapper	€ 2.498,00	🛒
122/039	GNSS Compass	€ 498,00	🛒
122/036	Signal Strength Locator (incl. map)	€ € 4.998,00	🛒
122/002	Channel Power Measurement	€ 498,00	🛒
122/006	Intermodulation Analyzer	€ 498,00	🛒
122/016	Stream Multiplexer	€ 998,00	🛒
122/012	HTTP Server	€ 498,00	🛒
122/013	HTTP Client	€ 498,00	🛒
122/018	Remote Config	€ 498,00	🛒
122/030	Spectrum Reference	€ 498,00	🛒
122/004	GPS	€ 498,00	🛒

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RTSA-Suite PRO Add-ons

RTSA-Suite PRO Block Bundles

Art. #	Item	Price	Shop
122/021	**Live Cam Bundle** (Blocks: Live Video Camera, Video Monitor)	€ 498,00	🛒
122/023	**Streaming Bundle** (Blocks: Stream Splitter, Stream Merger)	€ 1.998,00	🛒
122/022	**Waterfall & Pulse Bundle** (Blocks: MultiSpectral, MultiSpectral 3D, Pulse Detector, Pulsed Waterfall, Pulsed Waterfall 3D)	€ 4.998,00	🛒
122/020	**Direction Finder Bundle** (Blocks: IsoLOG Directional Finding, Multi Waterfall, Antenna Segment Detector, Antenna Segment Filter, Grid Waterfall, Sector Waterfall)	€ 19.980,00	🛒
122/019	**Category & Channel Bundle** (Blocks: Category Histogram, Category Bars, Category Timeline, Channel Utilization, Channel Power)	€ 4.998,00	🛒

RTSA-Suite PRO Upgrades

Art. #	Item	Price	Shop
NEW 122/044	**GPS Disciplined Time Base**	€ 1.998,00	🛒
NEW 122/045	**GPS Stream**	€ 998,00	🛒
122/025	**FPGA RAM Memory**	€ 298,00	🛒
122/009	**IQ Signal Generator QAM64**	€ 4.998,00	🛒
122/010	**128k FFT**	€ 998,00	🛒
122/011	**1M FFT**	€ 4.998,00	🛒
122/024	**FFT Super Sample**	€ 1.998,00	🛒
122/026	**Histogram 2k**	€ 1.998,00	🛒
122/027	**IQ Raster Image**	€ 998,00	🛒

Recommended Accessories
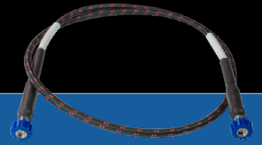
Cables			
Art. #	Item	Price	Shop
501/029	USB Cable A-C | Label: DATA | 2 Screws (C) | 1m | black (RSA 250X)	€ 24,95	🛒
501/027	USB Cable A-C | Label: DATA | 1 Screw (C) | 1m | black (RSA 500X, RSA2000X)	€ 24,95	🛒
501/023	USB Cable A-C | Label: BOOST | 1 Screw (C) | 1m | black (RSA 500X, RSA 2000X)	€ 24,95	🛒
501/041	USB Cable C-C | No Label | 1 screws | 2m | red (V6 Powercable)	€ 24,95	🛒
501/042	USB Cable C-C | No Label | 2 screw | 2m | red (V6 Powercable)	€ 24,95	🛒
501/050	High quality SMA (m/m) measurement cable (1m with tightening nuts)	€ 798,00	🛒
501/051	Pair of High quality SMA (m/m) measurement cable (1m with tightening nuts)	€ 1.498,00	🛒
501/053	SMA Cable 2m 26.5 GHz	€ 129,00	
501/054	SMA Cable 2m 26.5 GHz (with tightening nuts)	€ 139,00	
501/055	SMA Cable 5m 26.5 GHz	€ 179,00	
501/056	SMA Cable 5m 26.5 GHz (with tightening nuts)	€ 189,00	
501/057	SMA Cable 10m 26.5 GHz	€ 229,00	
501/058	SMA Cable 10m 26.5 GHz (with tightening nuts)	€ 239,00	
501/011	10x SMA tightening nuts	€ 19,95	🛒

Adapter			
Art. #	Item	Price	Shop
502/019	High Quality SMA (f/f) Adapter	€ 89,95	🛒
502/009	SMA to N (f/m) Adapter	€ 24,95	🛒
502/016	SMA-Quick-Adapter (push-on) for easy and fast connection of antennas & cables	€ 19,95	🛒
502/010	SMA (f) - BNC (m) Adapter	€ 24,95	🛒
502/011	SMA (m) - BNC (f) Adapter	€ 24,95	🛒
502/014	N-to-N (f/f) Adapter	€ 24,95	🛒
502/012	SMA to K (2.92mm) Adapter (e.g. PowerLOG Series)	€ 99,95	🛒

Recommended Accessories

Filter / Attenuator / DC Blocker

Art. #	Item	Price	Shop
502/004	2.4 GHz Bandpass Filter	€ 349,95	🛒
502/005	5.8 GHz Bandpass Filter	€ 349,95	🛒
112/009	8 GHz Bandpass Filter WiFi 6E => see *Hardware Options* on page 2	€ 498,00	🛒
502/003	20 dB Attenuator (Expands the measurement range)	€ 149,00	🛒
502/002	DC-Blocker (Protects the RF-input from DC-voltages)	€ 99,00	🛒

Miscellaneous

Art. #	Item	Price	Shop
501/003	SPECTRAN® V6 X USB Power Supply (Also usable for the V6 Powerbank)	€ 99,00	🛒
503/039	V6 Double Mounting Plate	€ 99,00	
504/002	Black Outdoor Case for SPECTRAN® V6 X	€ 99,95	

Recommended Antennas

Directional Antennas (LogPer)

Art. #	Item	Frequency Range	Active	Price	Shop
201/001	HyperLOG® 7025	700 MHz to 2,5 GHz	No	€ 199,95	🛒
201/017	HyperLOG® 7025 X	700 MHz to 2,5 GHz	Yes	€ 699,95	🛒
201/029	HyperLOG® 7025 X BPA	700 MHz to 2,5 GHz	Yes (+ bypass)	€ 699,95	🛒
201/002	HyperLOG® 7040	700 MHz to 4 GHz	No	€ 249,95	🛒
201/018	HyperLOG® 7040 X	700 MHz to 4 GHz	Yes	€ 749,95	🛒
201/030	HyperLOG® 7040 X BPA	700 MHz to 4 GHz	Yes (+ bypass)	€ 749,95	🛒
201/003	HyperLOG® 7060	700 MHz to 6 GHz	No	€ 399,95	🛒
201/019	HyperLOG® 7060 X	700 MHz to 6 GHz	Yes	€ 849,95	🛒
201/031	HyperLOG® 7060 X BPA	700 MHz to 6 GHz	Yes (+ bypass)	€ 849,95	🛒
201/004	HyperLOG® 6080	680 MHz to 8 GHz	No	€ 599,95	🛒
201/020	HyperLOG® 6080 X	680 MHz to 8 GHz	Yes	€ 1.149,95	🛒
201/009	HyperLOG® 4025	400 MHz to 2,5 GHz	No	€ 299,95	🛒
201/023	HyperLOG® 4025 X	400 MHz to 2,5 GHz	Yes	€ 849,95	🛒
201/032	HyperLOG® 4025 X BPA	400 MHz to 2,5 GHz	Yes (+ bypass)	€ 849,95	🛒
201/010	HyperLOG® 4040	400 MHz to 4 GHz	No	€ 349,95	🛒
201/024	HyperLOG® 4040 X	400 MHz to 4 GHz	Yes	€ 899,95	🛒
201/033	HyperLOG® 4040 X BPA	400 MHz to 4 GHz	Yes (+ bypass)	€ 899,95	🛒
201/011	HyperLOG® 4060	400 MHz to 6 GHz	No	€ 499,95	🛒
201/025	HyperLOG® 4060 X	400 MHz to 6 GHz	Yes	€ 1.049,95	🛒
201/034	HyperLOG® 4060 X BPA	400 MHz to 6 GHz	Yes (+ bypass)	€ 1.049,95	🛒
201/012	HyperLOG® 3080	380 MHz to 8 GHz	No	€ 799,95	🛒
201/026	HyperLOG® 3080 X	380 MHz to 8 GHz	Yes	€ 1.349,95	🛒

Recommended Antennas

Horn Antennas (passive)

Art. #	Item	Price	Shop
205/001	PowerLOG® 10800 (1 GHz to 8 GHz) incl. detailed calibration data	€ 1.798,95	🛒
NEW 205/004	PowerLOG® PRO 30300 (300 MHz to 3 GHz, double polarized quad-ridged)	€ 3.998,00	🛒
NEW 205/005	PowerLOG® PRO 30800 (300 MHz to 8 GHz, double polarized quad-ridged)	€ 5.998,00	🛒
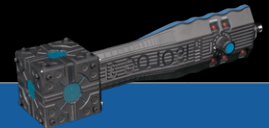
Isotropic 3D Antennas (active + bypass mode)

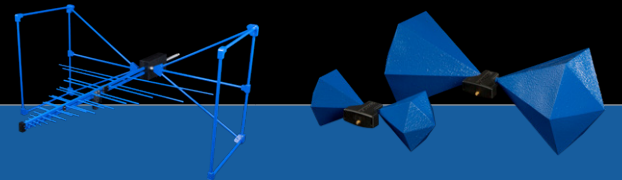| Art. #	Item	Price	Shop
207/007	IsoLOG® 3D Mobile 9030 PRO (9 kHz to 3 GHz)	€ 1.498,00	🛒
207/008	IsoLOG® 3D Mobile 9060 PRO (9 kHz to 6 GHz)	€ 1.998,00	🛒
207/009	IsoLOG® 3D Mobile 9080 PRO (9 kHz to 8 GHz)	€ 2.498,00	🛒

Omnidirectional Antennas

Art. #	Item	Frequency Range	Price	Shop
202/001	OmniLOG® 90200	700 MHz to 2,5 GHz	€ 199,95	🛒
202/002	OmniLOG® 70600	680 MHz to 6 GHz	€ 249,95	🛒
202/003	OmniLOG® 30800	300 MHz to 8 GHz	€ 399,95	🛒
NEW 202/004	OmniLOG® PRO 1030	150 MHz to 3 GHz	€ 248,00	🛒
NEW 202/005	OmniLOG® PRO 1060	150 MHz to 6 GHz	€ 398,00	🛒
NEW 202/006	OmniLOG® PRO 10100	150 MHz to 10 GHz	€ 698,00	🛒
NEW 202/008	OmniLOG® PRO 7030-H	700 MHz to 3 GHz	€ 398,00	🛒
NEW 202/009	OmniLOG® PRO 7060-H	700 MHz to 6 GHz	€ 798,00	🛒
NEW 202/010	OmniLOG® PRO 70100-H	700 MHz to 10 GHz	€ 1.248,00	🛒

Recommended Antennas

Probes

Art. #	Item	Price	Shop
203/002	**PBS1 Near Field Probe Set** (E- & H-Field) (DC - 9GHz)	€ 1.498,00	🛒
203/003	**PBS2 Probe Set** (E- & H-Field) incl. 40dB EMC-Preamplifier UBBV2 (DC - 9GHz)	€ 2.498,00	🛒
203/004	**RF Satelite Test Probe** (5MHz to 2500MHz)	€ 149,95	🛒

EMC Antennas

Art. #	Item	Frequency Range	Active	Price	Shop
204/001	BicoLOG® 5070	50 MHz to 700 MHz	No	€ 499,95	🛒
204/007	BicoLOG® 5070 X (incl. case)	50 MHz to 700 MHz	Yes	€ 1.099,95	🛒
204/002	BicoLOG® 30100	30 MHz to 1 GHz	No	€ 699,95	🛒
204/008	BicoLOG® 30100 X (incl. case)	30 MHz to 1 GHz	Yes	€ 1.299,95	🛒
204/005	BicoLOG® 30100E	30 MHz to 1 GHz	No	€ 1.698,00	🛒
204/011	BicoLOG® 30100E X (optimized for EMC-Tests)	30 MHz to 1 GHz	Yes	€ 2.199,95	🛒
204/003	BicoLOG® 20100	20 MHz to 1 GHz	No	€ 1.498,00	🛒
204/009	BicoLOG® 20100 X (incl. case)	20 MHz to 1 GHz	Yes	€ 2.099,95	🛒
204/012	BicoLOG® 20100E	20 MHz to 1 GHz	No	€ 1.998,00	🛒
204/012	BicoLOG® 20100E X (optimized for EMC-Tests)	20 MHz to 1 GHz	Yes	€ 2.499,95	🛒
204/004	BicoLOG® 20300	20 MHz to 3 GHz	No	€ 1.998,00	🛒
204/010	BicoLOG® 20300 X (incl. case)	20 MHz to 3 GHz	Yes	€ 2.599,95	🛒
201/035	HyperLOG® 20300 EMI	20 MHz to 3 GHz	No	€ 4.980,00	🛒
201/036	HyperLOG® 20600 EMI	20 MHz to 6 GHz	No	€ 5.980,00	🛒

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REFERENCES

Selected Aaronia Clients

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Government, Military, Aeronautic, Astronautic

- **NATO,** Belgium
- **Department of Defense,** USA
- **Department of Defense,** Australia
- **Airbus,** Germany
- **Boeing,** USA
- **Bundeswehr,** Germany
- **NASA,** USA
- **Lockheed Martin,** USA
- **Lufthansa,** Germany
- **DLR,** Germany
- **Eurocontrol,** Belgium
- **EADS,** Germany
- **DEA,** USA
- **FBI,** USA
- **BKA,** Germany
- **Federal Police,** Germany
- **Ministry of Defense,** Netherlands

Research/Development, Science and Universities

- **MIT – Physics Department,** USA
- **California State University,** USA
- **Indonesian Institute of Sciences,** Indonesia
- **Los Alamos National Laboratory,** USA
- **University of Bahrain,** Bahrain
- **University of Florida,** USA
- **University of Victoria,** Canada
- **University of Newcastle,** United Kingdom
- **University of Durham,** United Kingdom
- **University Strasbourg,** France
- **University of Sydney,** Australia
- **University of Athens,** Greece
- **University of Munich,** Germany
- **Technical University of Hamburg,** Germany
- **Max Planck Inst. for Radio Astronomy,** Germany
- **Max Planck Inst. for Nuclear Physics,** Germany
- **Research Centre Karlsruhe,** Germany

Industry

- **IBM,** Switzerland
- **Intel,** Germany
- **Shell Oil Company,** USA
- **ATI,** USA
- **Microsoft,** USA
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- **Audi,** Germany
- **BMW,** Germany
- **Daimler,** Germany
- **Volkswagen,** Germany
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