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SigBase 4000

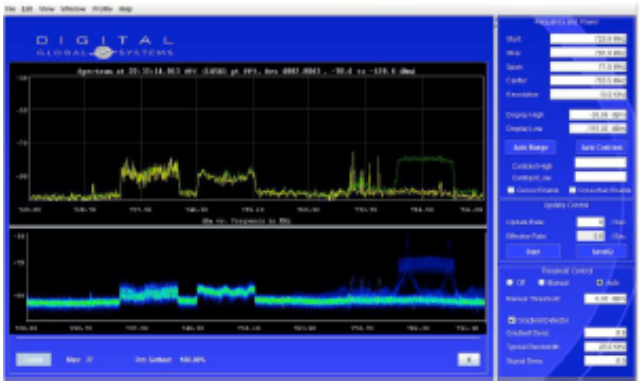
Multifunctional RF Analysis Platform

Product Description

The SigBase Multifunctional RF Analysis Platform enables autonomous wideband data collection in dynamic environments, while providing superior insight for spectral analysis. The system utilizes an automatic signal detect program to derive data from complex spectral environments that can be utilized for on-demand reporting.

System Features

- Detection of Illegal or Unlicensed Broadcasts Impacting P25 / Cellular Systems
- Inference Hunting
- Spectrum Exchange / Clearing / Swap
- Design & Optimization for Macro, Small Cell, DAS & Wi-Fi, P25
- Security / Public Safety Multifunctional, Ruggedized Laptop/Tablet Combination
- Offers Both Attended and Unattended Operations
- Utilizes Read and React Logic to Send Customized Triggers & Alarms
- Internal GPS Antenna and Mapping Provides Drive Test Capability
- Direct Connect to other SigBase Units in the Field for Command Control and Location Finding
- Integrated, Lightning Fast Transceiver (Up to 24 GHz Per Second), Enabling Wideband Spectrum Analysis
- Linux Based Laptop, with Optional Windows VM
- Fiber Test/Scope (USB Integrated Probe)
- Wi-Fi Test (RSSI) Functionality (2/2017)
- IQ Record Option



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BADGER WERX

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Specifications

Size (W x H x D)	13.7” x 8.78” x 1.34” in.
Weight	5.31 Lbs.
Communication Links	Gigabit Ethernet, Wi-Fi, Mobile Radio
Storage	512 GB SSD (Option W/Pelican Enclosure Up to 2 TB)
Memory	8 GB DDR3/ Expandable to 16 GB
External Power Input	AC Adapter (65W, 100-240VAC, 50/60 Hz)
Operating Temperature Range	0° C to 60° C (Without Condensation)
Storage Temperature Range	0° C to 70° C (Without Condensation)
Frequency Range	70 MHz to 6 GHz
Pelican Enclosure	Available as Optional Feature
Thermal Management	Heat Pipe w/fan
Digital Channel Bandwidth	Up to 40 MHz
Noise Floor	As low as -124 dBm at 1 MHz
Resolution Bandwidth	As low as 1 KHz
Sweep Speed	30+ GHz/Second
GPS	Internal w/ 1 PPS Input (Option)
Typical TX output power	+10 dBm (+13dBm <2GHz)
TX Gain Range	+0-80dB, 1dB Steps