PRAEMITT/AS
SYSTEMS LLC

MONGOOSE
COOPERATIVE DIGITAL DIRECTION FINDING SYSTEM®

Benefits:

- **Listen and locate**

- **Mobile operations**

- **Intuitive software control**

- **Cooperative operation for rapid geo-location**

WOLFHOUND®
COOPERATIVE RADIO DIRECTION FINDING SYSTEM

With the proliferation of advanced technology in the commercial market, terrorist and criminal organizations are able to cheaply expand their capability and avoid detection through the use of digital radios. Digital radios provide users with anonymity, privacy and the ability to avoid detection and geo-location efforts from legacy systems.

The Mongoose Cooperative Digital Direction Finding System® closes the gap created by legacy systems capable of targeting **Mototrbo**, **NEXEDGE**, **Frequency Hopping** and standard signals in the VHF and UHF radio bands (30-512 MHz).

Additional configurations expand the system's capability exponentially, providing networked direction finding, early warning, force protection, and target acquisition against digital and standard signals.

Contact Praemittias Systems LLC today for more information and to schedule a demonstration.

MONGOOSE Technical Specifications

HARDWARE	
Processor	Intel Core i7-6600U Processor (Dual core, 4M Caache, 3.4 GHz); 32GB (2x16GB) 2133MHz DDR4 Memory
Data Storage	1TB Solid State Drive
Communication	10/100/1000 gigabit Ethernet and triple RF-passthough (GPS, mobile broadband and WLAN)
Display	14.0" HD (1366x768) Outdoor-Readable Resistive Touchscreen, Webcam with Privacy Shutter and Mic

RECEIVER DATA	
Frequency Range	DC – 6000 MHz
Scan Speed	Instantaneous 5 MHz bandwidth search/scan
Demodulation	**Mototrbo • NEXEDGE • DMR** • AM • FM • CW • LSB • USB
Operating Modes	Four-channel coherent receiver
	Two wide-bandwidth RF daughterboards
	Signals of Interest/Target List storage for quick scanning and quick tune
	Lockout (LO) List

RF DIRECTION FINDING	
Frequency Range	30 – 512 MHz
Signals	In addition to standard signals, capable of direction finding/geo-location of **Mototrbo, NEXEDGE** and **Frequency Hopping signals**
Accuracy	Better than 2° RMS achievable

DF COVERAGE
360° Azimuth

INTERFACES	
DC IN	DC Power Supply, 4-contact MIL-circular connector
LAN	802.3 (10/100Mb)
Wireless LAN	802.11 b/g (AES 256 bit encryption)

PHYSICAL		
Weight	**Host Controller:** 1.7 kg (3.7 lbs.)	Backpack configuration: TBD
	Total System: TBD	
Battery	BB-2590/U Lithium-Ion Battery	
Battery Life	**Cooperative Mode:** ~ 2 hours	**Standalone Mode:** ~ 4 hours
Power Source Options	100V to 240V AC, 50 Hz to 60 Hz 9V to 16V DC	
Temperature	**Storage:** 0°C to +40°C	**Operating:** 0°C to +40°C

GENERAL	
System Classification	UNCLASSIFIED
Dimensions (L x H x D)	Host Component Assembly 27.7 x 21.8 x 3.9 cm (11.00 x 8.58 x 1.53 in.)

SOFTWARE	
Features & Capabilities	Mission Management software included (provides post mission analysis and processing capability) Web based software interface for system control, post mission processing and analysis Intuitive GUI Toggle DF / Monitor Modes and Audio Recording Real-Time Audio Streaming Overlays Line of Bearing (LOB) data onto map or imagery

* Available as an option, sold separately

http://praemittias-systems.com

WOLFHOUND®