

Boomerang Warrior-X^P Perimeter Defense Solution

Low-Profile Shooter Detection Using Boomerang Situation Awareness System



The Boomerang Warrior X^P solution provides the user with advanced shooter detection and localization whether on dismounted patrol or in a low-profile perimeter defense application.

Features

- Hostile shooter localization in azimuth, range, elevation and 10 digit grid coordinates
- Return fire alert suppression
- Simple operation and user interface
- Visual display of sensors and shot detection locations
- Dynamic load and display of map data (RPF, CIB, CADRG)
- Fusion of shot events from multiple sensors
- Import/export capability
- Event history/AAR reports
- Lat/Lon or MGRS shooter locations
- Audible and graphical shooter alerts within 1 second of sensor report
- Intuitive graphical user interface for
 - System setup
 - System and sensor status
 - Shot detection and reporting
 - Dynamic load and display of map data
- Multiple mapping tools for report generation, location identification, detection zones, exclusion zones, etc.
- Timeline and shot event history at fingertips
- 90+ days of history

Boomerang Warrior-X^P Perimeter Defense Solution combines the best performing, most cost-effective low-profile perimeter shooter detection system available worldwide and the most accurate, intuitive Situation Awareness Display System. At less than 20 ounces, the Warrior-X^P solution automatically detects hostile small arms fire and accurately localizes the shooter(s) position, allowing for a rapid, informed, and coordinated response. The system operates effectively in all known environments with no false alerts and when deployed, combines the ability to quickly and reliably locate the enemy's firing position with the intelligence necessary to minimize threats and avoid human casualties.



As an added benefit, Warrior X^P has been uniquely designed to be a dual use system, whether configured as a stand-alone dismounted system or for low-profile perimeter defense.

Performance

- Shot Detection: >90% of supersonic projectiles
- False Alerts: <1%
- Bullet Miss Detection Range:
 - <1m to 25m+
- Response Time: < 1.5 seconds
- Operational Duration: Indefinite, Power over Ethernet

Software

- Operates on Windows 7
- Application developed on Boomerang Situational Awareness Application
- Easily configured to send data to third party SA

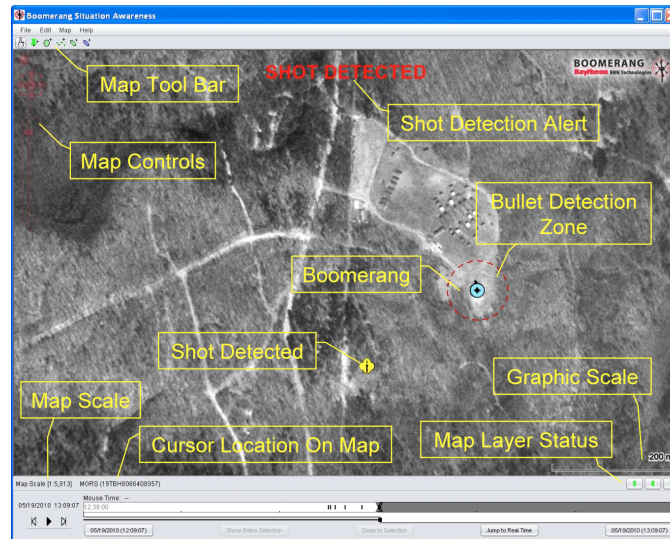
Size and Weight

- Sensor System Size: 4.3"H x 3.2"W x 1.7"D
- Power/Network Box: 1.6"H x 3.6"W x 4.6"D
- Total System Size: <50in³
- Total System Weight: <20oz

Data Interface

- Data Interface: Ethernet

In a perimeter configuration, networked Warrior-X^p systems are fully scalable. To cover a large- scale area with 100% overlap, Boomerang Warrior-X^p systems are installed around the perimeter of the designated site at specific meter intervals. The Boomerang Warrior-X^p systems are networked to the Boomerang Situation Awareness System, and the system's data is automatically fused for a more accurate solution shown on an intuitive map display.



The Boomerang Situation Awareness application displays shooter location(s) instantaneously on a digitized map or overlaid on overhead imagery. Shooter locations may be stored and replayed upon demand for intelligence or after action reviews. Maps or overhead imagery may be pre-loaded or imported for specific formats. Alternatively, the Warrior-X^p System can be configured for simple integration into third party applications by sending standard data messages, which provide the necessary information for mapping.

Boomerang Warrior-X^p Perimeter Defense Solution provides the same reliability, features, and advanced product benefits as the currently fielded vehicle mounted and perimeter Boomerang Shooter Detection system – just significantly smaller, light weight, and more rapidly deployable.

To learn more about Boomerang Warrior-X^p, please call or write:

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