



# EARS<sup>®</sup> Wireless Fixed Site

Gunshot Detector System

EARS Wireless Fixed Site Gunshot Detector System combines multiple EARS sensors and mesh radio technology for large area coverage and greater capability. Effective for small arms fire and indirect fire weapons, the sensors enhance situational awareness and provide protection.

## How It Works

Deployed rapidly, EARS sensors self-locate and automatically form a mesh network providing a protection bubble to cover a point asset, a perimeter or a large area.

QinetiQ's advanced algorithms combine data from all sensors in the network to compute the most robust solution. A compact tablet controller displays the point of origin of hostile fire within seconds of the shot being fired.

EARS Wireless Fixed Site was designed with our proven and fielded EARS<sup>®</sup> SWATS<sup>®</sup> (shoulder-worn acoustic targeting system) technology.

## Key Features and Benefits

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Detects, locates and displays hostile shooter location, bullet path, and caliber

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Lightweight

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Rugged and reliable

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Accurate and effective

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Operates in challenging environments

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Self-locating sensors with built-in GPS

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Cursor-on-Target output integrates with TAK and Nett Warrior

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Optional ISA output available for integration with other defense systems

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Mobile and rapidly deployed

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Interoperable and flexible

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Enhances situational awareness

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Provides early warning against hostile attacks

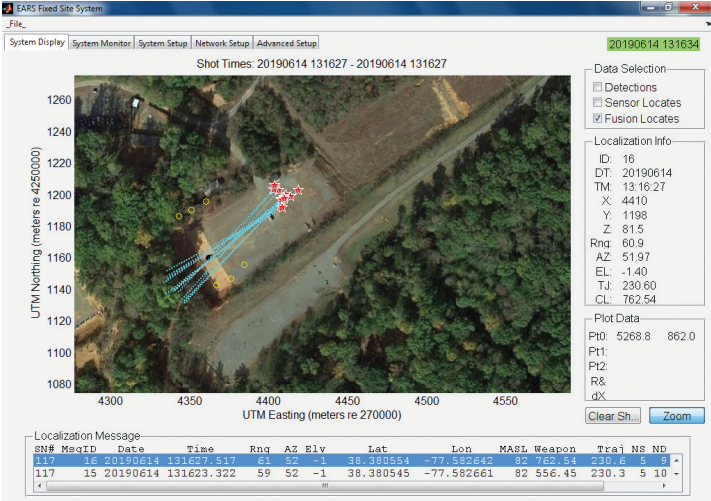
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Increases survivability and lethality

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Saves lives

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Ten Sensor Kit

Controller Display

EARS Wireless General Specifications

Small, lightweight and low power	Sensor:
	Length: 4.9" (12.5 cm) Width: 3.3" (8.5 cm) Depth: 2.16" (5.5 cm) Weight (with antenna): 9.9 ounces (282 grams) 550 mW (sensor and radio) 216-hr sensor battery life (BA-2590) Sensor compatible with solar power
Complete solution	Tablet Display:
	Depth: .78" (2 cm) Width: 7.87" (20 cm) Height: 5.1" (13 cm) Weight: 18.4 ounces (523 grams)
Interoperable and flexible	Detects subsonic fire, supersonic rifle fire, indirect fire, and explosions Reports point of origin Reports estimated bullet path and caliber for rifle fire
	Support for CoT and ISA output Integrates with numerous SA and C4ISR systems including TAK and Nett Warrior
Display features	Sensor locations Sensor status Threat locations with date/time and grid coordinates Caliber classification Selectable display of detections, individual sensor localizations, or network localizations Compatible with Windows laptops or tablets
	Perimeter protection Area protection Point protection Border protection
Multiple applications	



Collaborating with QinetiQ

At QinetiQ we bring organizations and people together to provide innovative solutions to real world problems, creating customer advantage. Working with our partners and customers, we collaborate widely, working in partnership, listening hard and thinking through what customers need. Building trusted partnerships, we are helping customers anticipate and shape future requirements, adding value and future advantage.

www.QinetiQ.com

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For further information  
please contact:

350 Second Avenue  
Waltham, MA USA  
+1 781 684 4000  
Survivability@US.QinetiQ.com