



OMEMTECH
ADVANCED TECHNOLOGY ENGINEERING

AKNT

ACOUSTIC SNIPER DETECTION SYSTEM

An over-the-shoulder wearable sensor network, optimized for determining the direction and distance of long-barreled weapon shots.



FEATURES



Acoustic Detection Sensitivity

500 Meters Range

>85% Accuracy Rate



Angular and Distance Accuracy

±8° Azimuth Tolerance

20% Distance Error Margin



Dynamic Operation Capability

High-accuracy detection capability against noise in residential areas and echoic terrains



SWaP Optimization

<600 g system weight

Minimum 6 hours of battery life



Field-Proven Performance

1000+ Active Units



Operasyonel Kullanım



AYGB [Shot Location Display Unit]

A control unit positioned on the personnel's wrist that provides instant visual information about the threat source.



Connection Flexibility

The unit has the capability to establish both wired and wireless connections with the main system.



Triple Alert Matrix

It provides versatile information by alerting the user not only via the screen, but also audibly through the system-integrated headset, and visually and via vibration through the AYGB.



Data Recall

The system does not only display real-time shots; it can record previous shots and display them again when needed.



Advanced Noise Filtering

The system is optimized to operate stably in residential areas with high background noise and in challenging terrain sectors where echo effects exist.



Dynamic Operation

Whether the personnel is on the move, standing still, or in a prone position, it uninterruptedly processes acoustic data and updates the direction of the shot according to the user's position.



Rapid Mounting and Logistics

It can be quickly attached to and detached from ballistic helmets and vests without requiring any apparatus; it provides secure storage and transport opportunities thanks to its special system case.



Ammunition Compatibility

It precisely differentiates all shots fired from defined long-barreled weapons and determines their direction and distance.

TECHNICAL SPECIFICATION

Shot Detection Distance	Maximum 500 Meters
Detection Accuracy Rate	~%85
Distance Error Margin	%20
Azimuth Error Margin	±8°
Shot Miss Radius	±25 Meters
System Weight	<600gr
Battery Life	Minimum 6 Saat

