OTHELLO

Optical Threat Locator

> OTHELLO (ENA-5220) is a family of Hostile Fire Detector (HFD) sensors that detects gun, mortar, rocket and Anti-Tank Guided Missiles (ATGM) fire. OTHELLO sensors are based on electro-optical (EO) technology, rather than acoustic sensors, making it immune to outside noise including heavy vehicles in open or urban environments. EO sensors also provide faster detection with better accuracy.

OTHELLO excels in high Probability of Detection (PD) and low False Alarm Rate (FAR). When fired upon, the system immediately indicates the azimuth and elevation of the hostile fire while instantly classifying the threat. This enables the crew to promptly respond with counter fire or by tactical maneuver.

The system is versatile and can be installed on tanks, combat vehicles, stationary combat posts and manual or Remote-Controlled Weapon Stations (RCWS). OTHELLO can operate as a standalone system or be integrated with radars and other sensors as part of a multi-layered self-protection suite.
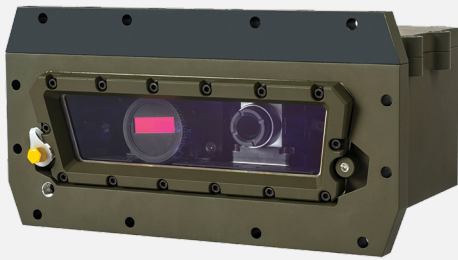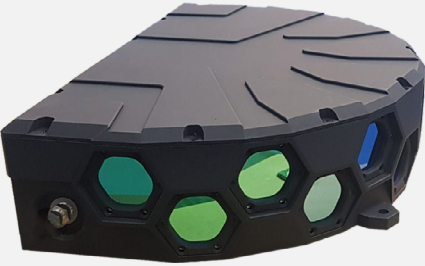
.

MISSIONS

Vehicle
Protection
Systems

Features

· Rapid detection of hostile fire sources

· Day and night operation

· Effective in both urban and open areas

· Low maintenance – no moving parts

· Easily and seamlessly integrates with
  self-protection systems

Specifications

	OTHELLO	**OTHELLO P (Low Power)**
Application	ATGM, RPG, mortar, & gun fire detection	Small arms, sniper fire and RPG detection
Sensor Functions	Threat localization and classification Triggering of counter-measure Slew to Cue	Threat localization and classification Triggering of counter-measure Slew to Cue
Azimuth	Azimuth and elevation accuracy: 2.5 mRad	Azimuth accuracy: ± 5°
FOV	103° X 30° (360° X 30° with four sensors)	FOV: 180° X 20° (360° X 20° with two sensors)
Weight	15.4 lbs (7 kg)	13.2 lbs (6 kg)
Dimensions [W x H x D]	10.8 x 5.7 x 6.6 in (275 x 145 x 167 mm)	12.7 x 3.2 x 8.8 in (322 x 82 x 223 mm)
Power consumption	35 W	2 W