

OTHELLO

OPTICAL THREAT LOCATOR

■ ELO-5220



 **ELTA North America**
an IAI North America Company

www.eltanorthamerica.com

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General:

The OTHELLO (ELO-5220) is compact and effective Hostile Fire Indicator (HFI) family of sensors, designed to detect gun fire, mortar fire, RPG and Anti-Tanks Guided Missiles (ATGM). The system instantly indicates the azimuth and elevation direction of the hostile fire while classifying the threat, with a high Probability of Detection (PD) and low False Alarm Rate (FAR). The system is applicable for tanks, combat vehicles, stationary combat posts and manual or Remote-Controlled Weapon Stations (RCWS). This capability supports the warfighter in providing an immediate response toward the threat, either by force maneuver or retaliatory fire.

The OTHELLO can be installed in different configurations as shown below, either as a standalone system or as a part of an extensive self-protection system. Available in different sizes and performance levels, the sensor can be tailored for the customer's specific needs and installation constraints.

The system features:

- Rapid detection of hostile fire sources
- Day and night operation
- Effective in both urban and open areas
- Affordable – no cryogenic cooling
- Reliable – no moving parts
- Triggering or part of self-protection systems

Features and Specifications:

	OTHELLO P	OTHELLO	OTHELLO HD
Application	Compact Coarse HFI Small arms, ATGM ,RPG	ATGM, RPG, mortar, and artillery fire detection	RPG, Small arms and sniper detection
			
Sensor Functions	<ul style="list-style-type: none"> ■ Triggering of self-protection system ■ Threat classification ■ Cueing for accurate HFI systems such as Othello 	<ul style="list-style-type: none"> ■ Localization ■ Slew to Cue 	<ul style="list-style-type: none"> ■ Localization ■ Slew to Cue
Specification	<ul style="list-style-type: none"> ■ Coarse Azimuth Accuracy: 10 degrees ■ FOV 190° X 40° ■ FOV 360° X40° with two sensors ■ Light weight: < 1kg/2.2lb ■ Low power consumption < 2 W 	<ul style="list-style-type: none"> ■ High Azimuth and elevation accuracy - mRad ■ FOV 96° X 60° ■ FOV 360° X60° with four sensors ■ Weight: 4kg/8.82 lb ■ Power consumption: <30W 	<ul style="list-style-type: none"> ■ High Azimuth and elevation accuracy- mRad ■ FOV 90° X 30° ■ Weight: 3 kg/6.6 lb ■ Power consumption < 30W