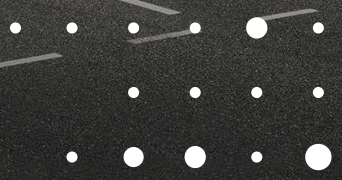


# ThunderBullet

Optical & Acoustic Gunfire Detection System  
ELO-5220P





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## Optical & Acoustic Gunfire Detection System

### ELO-5220P

ThunderBullet (ELO-5220P) is a high-performance Gunfire Detection System (GDS). Comprising SWIR electro-optics (EO) and acoustic sensors, the system instantly detects, geo-locates, classifies and alerts forces of gunfire from small arms, snipers, machine guns, medium caliber cannons, and subsonic munition fired from pistols and RPGs.

Its unique compact design facilitates easy installation on all-terrain vehicles, Armored Fighting Vehicles (AFV), Main Battle Tanks, and autonomous unmanned platforms, as well as on para-military and VIP vehicles. A manpack version is also available for use by infantry, special forces, and other dismounted personnel. ThunderBullet is part of the operationally proven OTHELLO product family.

Integration of optical and acoustic sensors significantly reduces false alarm rates (FAR) and increases the range of gunfire detection. The system identifies gunfire location with a precise range accuracy; and shortens and improves the sensor-to-shooter loop by quickly and accurately pinpointing the shooter's location. ThunderBullet enables slew to cue of external systems, and is ideal for integration with Remote Controlled Weapon Stations (RCWS). ThunderBullet can be supplied with ELTA's own C2 or it can seamlessly interface with third party C2 systems.



## Key Benefits

ThunderBullet provides the following advantages:

- Operates day/night in dense urban areas and noisy environments, including noise from MBTs, AFVs and other wheeled and tracked platforms that are on-the-move.
- Dual-sensor-threat-validation enables precise and reliable detection of fire source regardless of the environmental conditions, including dust, smoke, haze, and rain.
- 360° detection with a wide coverage including the detection of indirect fire.
- Advanced algorithms enable the system to rapidly and accurately detect and identify simultaneous fire originating from multiple sources.
- Passive system – covertly operates without exposing operator's position – ideal for snipers, special forces, SWAT.
- Minimal maintenance with no moving parts.

Description	Armored Fighting Vehicles (AFV)	Manpack
Coverage	360° (2 X 180° units)	90°
Dimensions [WxHxD] per unit	328x165x223 [mm]	280x165x223 [mm]
Weight per unit	7.2 [Kg]	3.0 [Kg]

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