

SpotLite Family

Technical Specifications

	SpotLite P	SpotLite M
Operation mode	Stationary	On the move
Detection range	Small arms - above 1000 meters	Beyond effective ranges of the various threats
Operation	Day and night	Day and night
Threat types	Small arms	Small arms Shoulder launched rockets AT missiles Tank shells
Simultaneous detection of several threats	+	+
Threat classification capability	-	Within threat categories (small arms, AT, shells)
Field of view	48°	Up to 360° degrees as per requirement
Components	Electro-optical unit including: <ul style="list-style-type: none"> ● FLIR camera ● Daylight camera ● Laser range finder ● Laser marker ● GPS Commander's control unit Sniper's end unit (x2)	FLIR cameras Computer Operator's control display
Energy source	<ul style="list-style-type: none"> ● AC 220/110 V ● Vehicle ● Disposable or rechargeable batteries 	Vehicle



SpotLite Family™

Electro-Optic Enemy Fire Detection Systems

Detect and locate enemy fire quickly and accurately



SpotLite P (Portable)



SpotLite M (Mobile)

60 Years of Innovative Solutions



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SpotLite Family

The modern battlefield presents many threats to our forces during mounted and dismounted action. Undetected enemy fire such as small arms, RPG rockets and ATGM cause many casualties within our forces, compelling us to fire large quantities of ammunition inaccurately, disrupting our combat plans, and worse, enabling the enemy to maintain the initiative on the battlefield.

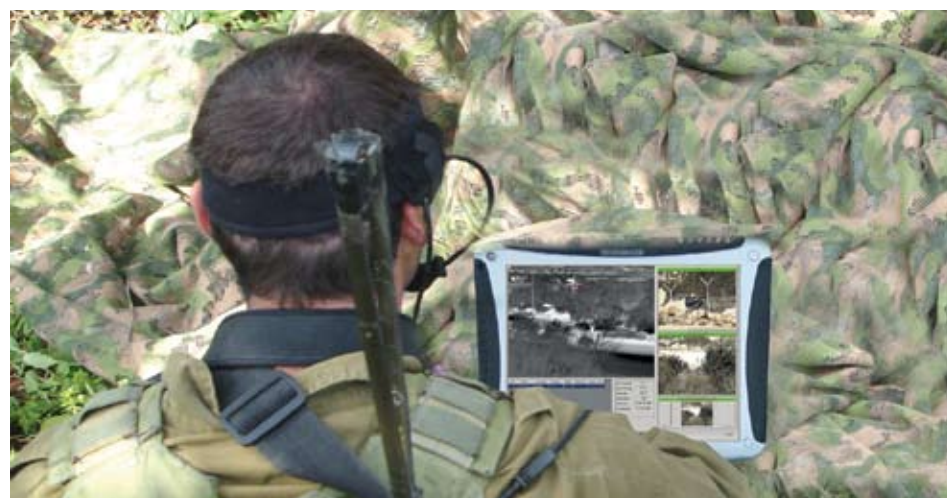
The solution to this critical scenario is the SpotLite Family of electro-optical systems that detect and locate enemy fire in stationary positions as well as on the move. Rapid detection and precise location information provide our forces with the capability to quickly neutralize the enemy, maintaining the upper-hand on the battlefield.

In contrast to today's battlefield in which the enemy's position is

usually too general and unclear, the SpotLite systems enable quick understanding of the combat picture even in difficult fighting situations. The accurate detection allows the combatants and the commanders to make the right tactical decisions which lead to decisive results on the battlefield.



SpotLite Family Benefits



SpotLite's visual recording capability of firing incidents assists the commander in his decision making process and in post-combat debriefings. Visual documentation facilitates tactical intelligence data

gathering for subsequent activities or, alternatively, for presenting proof of having fired, a relevant issue for peace-keeping forces, for instance.

- Rapid day/night detection, location and verification of enemy fire in mounted and dismounted action
- Quick reaction at platform and tactical level, quickly closing the sensor-to-shooter loop even in urban areas
- Facilitates fast, precise understanding of the battlefield
- Minimizes civilian and friendly fire casualties and reduces collateral damage
- Provides secretive action capability

SpotLite P (Portable)

Portable electro-optic small arms fire detection system



The SpotLite P is a portable electro-optic system carried by two soldiers for day and night detection and location of small arms fire. The system's portability and capacity to be operated from a variety of energy sources (AC, vehicle, rechargeable or disposable batteries) enables operational flexibility in planning.

The system can be positioned in bases, checkpoints, installations under fire or alternatively be transported by infantry troops and

can be positioned inside buildings, on roofs and in open spaces that are impassable by vehicles / AFV's.

The system has an investigative unit consisting of a CCD, a LRF, a laser marker and a GPS. This unit verifies that the target located is indeed an enemy target and not friendly forces. It also extracts accurate target coordinates including range to target and is able to mark the target by laser if necessary.

An integral part of the SpotLite P system is the sniper squad.



Friendly snipers receive the located target coordinates and its image in real time and neutralize the firing source. Actually any shooter capable of receiving a target's coordinates and then directing fire toward them, such as a tank, remote-controlled weapon station, attack helicopter, precision guided munition and so forth is able to neutralize the enemy fire. The system enables simultaneous detection of several enemy fire sources as well as simultaneous fire management of several friendly snipers.



SpotLite M (Mobile)

Mobile electro-optic fire detection system



SpotLite M is an electro-optic system installed on vehicles and AFVs that enables the detection and location of enemy fire sources from small arms, RPG rockets, ATGM, and tank shells; on the move, day and night, up to 360° coverage.

This capability facilitates rapid reaction on two levels. One is at the threatened platform's level: smoke screen, countermeasures, slewed cannon /weapon station fire.

The other is at the tactical level: forwarding location coordinates via the tactical C² network to cover or back-up forces so they can neutralize the target.

