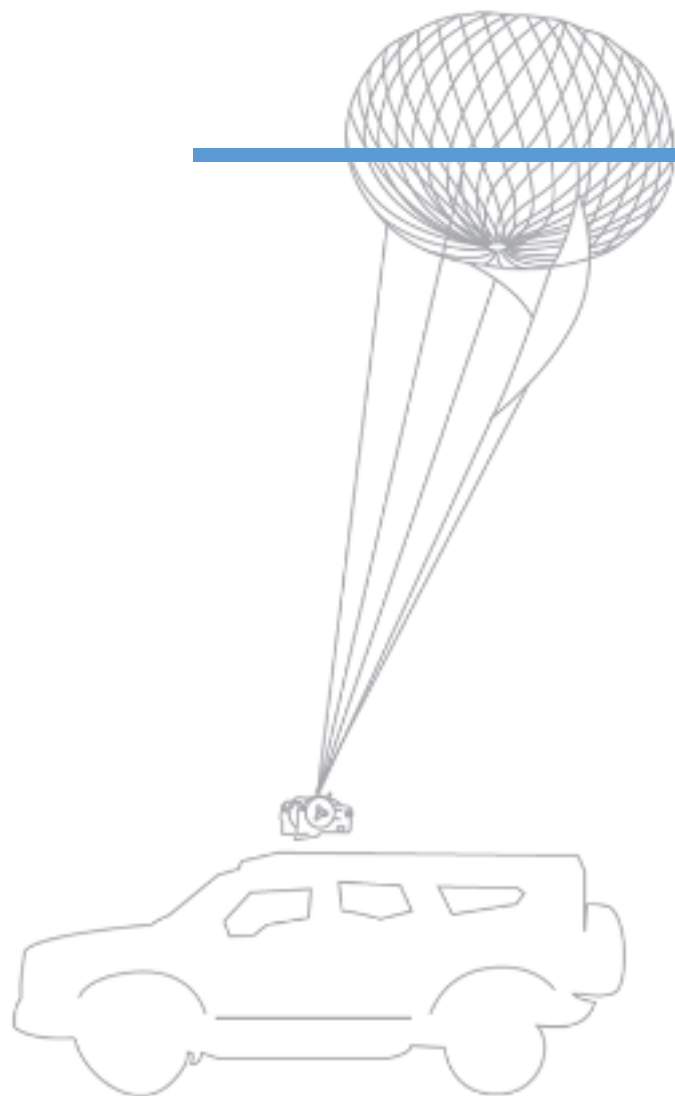




HAWK EYE SYSTEM

Innovative electro optical solution for defense and security

ABOUT US



SHILAT Optronics LTD, founded in 2008, is an innovative electro-optics company that offers several proprietary technologies for defense and homeland security.

Using inexpensive and readily available components, our smart solutions provide a unique combination of functionality, small size and low cost.

Our partners includes the Israeli Defense forces, foreign governmental agencies, and major defense and HLS players in Israel and abroad.

SHILAT Optronics is partial owned by RAFAEL Advanced Defense Systems Ltd.



OUR OPERATIONS

From our base in Rehovot, Israel, our highly experienced team of engineers, physics, manufacturers, tactical operators and marketers, works with clients worldwide to tailor products to their specific needs.

Shilat Optronics developing a unique set of electro-optical technologies

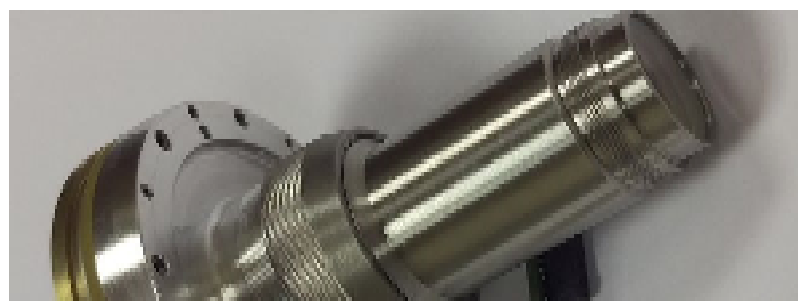
- Micro tactical observation aerostat
- Imaging systems and special cameras
- Smart integration between lasers and cameras



OUR PRODUCTS



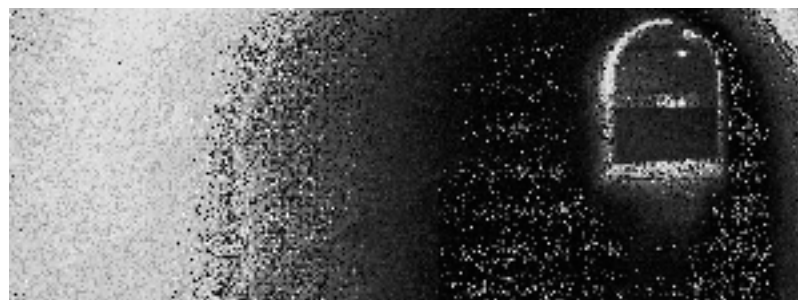
TACTICAL AEROSTAT



LASER SEEKER



LOW LIGHT LEVEL



CHIMNEY SWEEP



Hawk Eye is a micro Aerostat system, based on unique patented electro-optic concept, enables very high quality aerial imaging capability

The system is carried by two backpacks or small vehicle and rapidly deployed by two person.

The system is controlled by standard hand-held controller and lap-top computer

HAWK EYE 



SYSTEM SUB MODULES



MAIN ADVANTAGES AND FEATURES

- Very lightweight and miniature dimensions
- Does not require flight permits (for daylight and uncooled payloads)
- Ultra-high optical magnification
- Unique image stabilization
- Up to 800m AGL flight altitude
- Secure fiber-optic image transfer
- Capable of withstanding and operating in severe environments
- Quick deployments (<15 min. in field conditions)



MICRO AEROSTAT SPECIFICATIONS

Volume thermal payload	~7m ³
Maximal flight height (AGL)	800m
Deployment time (from packed system to aerial observation)	<15min
Re-packing time	<10min
Maximal wind speed for flight	30 knots





D-5000 DAYLIGHT PAYLOAD SPECIFICATIONS

Camera type	CCD color camera
Sensor resolution	976*582 pixels
Optical zoom	x40 continuous
Human target recognition	5Km
Wide Field of View	60°
Narrow Field of View	1.6°
Azimuth range	360°
Elevation range	110°

N-5000 THERMAL COOLED PAYLOAD

Camera type	Cooled thermal camera
Sensor resolution	640x512 pixels
Spectral range	3.6-1.5 μ m
Optical zoom	x15 continuous
Human target recognition	5Km
Wide Field of View	30°
Narrow Field of View	2°
Azimuth range	360°
Elevation range	110°





Hawk-eye system has proven capability to be operated from all kinds of vehicles at any size such as

- Small car
- ATV
- Small boats
- Tripod



TACTICAL CAPABILITIES

AEROSTAT APPLICATION

- Law enforcement, crime and violence prevention
- Traffic control and traffic law enforcement
- Emergency and disaster management
- Border patrol
- Coast Guard
- Broadcast of news and sporting events
- Tactical observation for mobile military forces



WORLDWIDE ACTIVITY



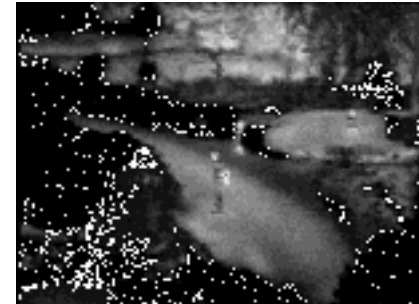
VIDEO

- [Operation to prevent stone throwing by the Israeli police](#)
- [US coast guard training](#)
- [Channel 10 news traffic enforcement by the Israeli police](#)
- [Night vision- person recognition](#)
- [Explosion experiment](#)
- [TSOA practice](#)
- [Geolocation](#)

More videos at www.shilatop.com



VIDEO



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US COAST GUARD TRAINING





Night vision- person recognition



Channel 10 news traffic enforcement by the Israeli police

VIDEO



EXPLOSION EXPERIMENT



TSOA PRACTICE



GEOLOCATION



www.shilatop.com

THANK YOU

