

# Products / Technology – Semi-Active Laser (SAL) Seekers

- High resolution (Super VGA) CMOS Solid State Seeker
- Non-Gimbal Approach – Wide FOV
- **Extremely Low Size Weight and Power – Cost (SWaP-C)**
- Detection based on signal processing algorithms
- Automatic detection for NATO PRF Coded & CW laser
- High Immunity to:
  - Counter Measures / Optical Disruptions / Short Range Saturation
- Option for dual-mode homing (SAL+EO)
- Applicable for PGM (LJDAM, SDB-I), Drones, **40mm** munitions and more.
- Technology allows:
  - “See Spot” – See designation spot on the observation system
  - Optical Proximity Meter – Built in sensor for proximity fuse

**Shilat SAL Seekers are Backward Compatible with Pulsed Lasers**



### Shilat's Semi Active Laser (SAL) Seeker

- High resolution (1280x1024) CMOS
- Wide Field Of View (38°x30°), Non-Gimbal Approach
- Low SWaP-Cost
- Detection based on signal processing algorithm
- Automatic detection for NATO STANAG 3733 coded & CW laser
- High Immunity to:
  - Counter Measures
  - Optical Disruptions
  - Saturation at short range
- Option for dual-mode homing (SAL+EO)
- Applicable for Mortars, Rockets, PGM, Drones & 40mm rounds
- Technology allows "see spot" for observation and designation
- Optical Proximity Fuse (OPF) Option

### Performance

Image Sensor Technical Parameters	
Size	38mm diameter, 50mm length
Weight	<200gr
Power Consumption	<5W
Resolution	1280x1024 pixels
FOV	38° x 30° (can increase FOV to 60°)
Aperture	Optical: 14mm, mechanical ~20mm
Wavelength	1064nm
Optical alignment	1mrad, can be digitally calibrated
Latency	<5 mSec
Range	Up to 8,000m ( can be more - depending designator)
Communication channels	Two RS-422 full duplex channels

Changeable per demand



### Schedule & Cost:

- Sole supplier of SAL Seekers for IDF next generation ground forces systems.
- Initial serial production delivery - 2022
- Availability for testing - 1 month

### Contact Information

Hezi shalom - VP Business Development  
 Tel: 972-8-6214070  
 Email: hezi\_s@shilatop.com