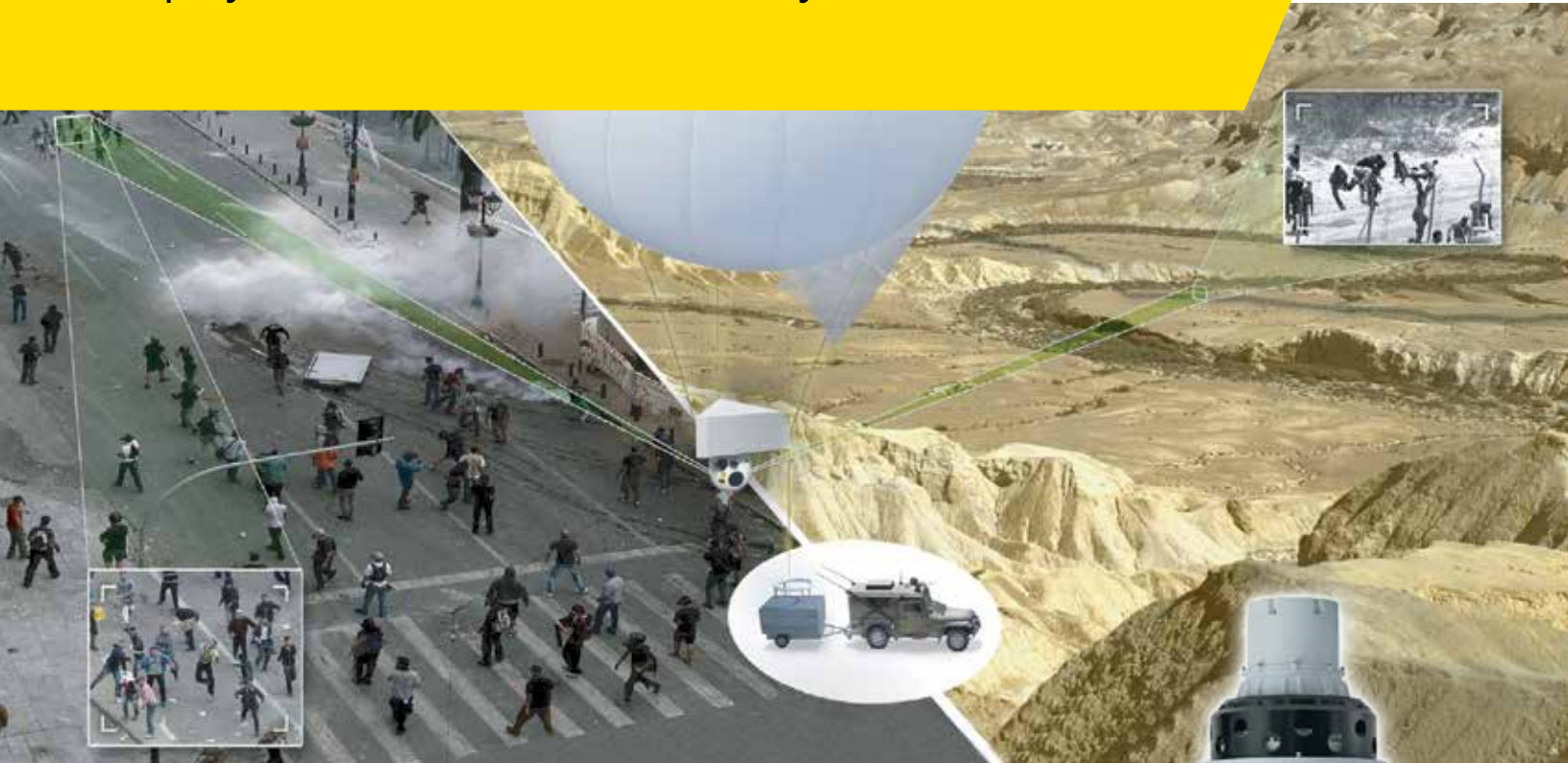


ELOP OASIS

Deployable Aerostat Surveillance System



Surveillance on Demand

General

- OASIS is a deployable tactical surveillance system comprised of our highly stabilized electro-optical payload MicroCOMPASS™, a sustained helium-filled balloon, towable trailer inflator, anchor ground system, ground control station (GCS) and DVR. The system replies to diverse operational needs:
- Area persistence reconnaissance
- Strategic facilities and military base protection
- Situational awareness
- Crisis monitoring and border control
- VIP security
- Securing mass events and public order

The system, which provides high operational value surveillance capabilities, has passed rigorous field endurance tests.



Elbit Systems™

ISTAR

ELOP OASIS

Deployable Aerostat Surveillance System

Main Advantages

- Easy to operate and maintain
- Reliable cost-effective solution

Optional Features

- Optional upgrades: data link or Wi-Fi
- Advanced control system
- Integration with digital map, GPS



Technical Data

Physical Characteristics

- Turret weight <math>< 9\text{kg}</math>
- Turret Dimensions
 - Diameter $8.2''$
 - Height <math>< 402\text{ mm}</math>

Turret

- Integrated sensors FLIR, zoom CCD
optional - laser range finder
optional - laser marker
- Horizontal coverage 360°
- Vertical coverage $+35^\circ$-(-85°)

Thermal Imager

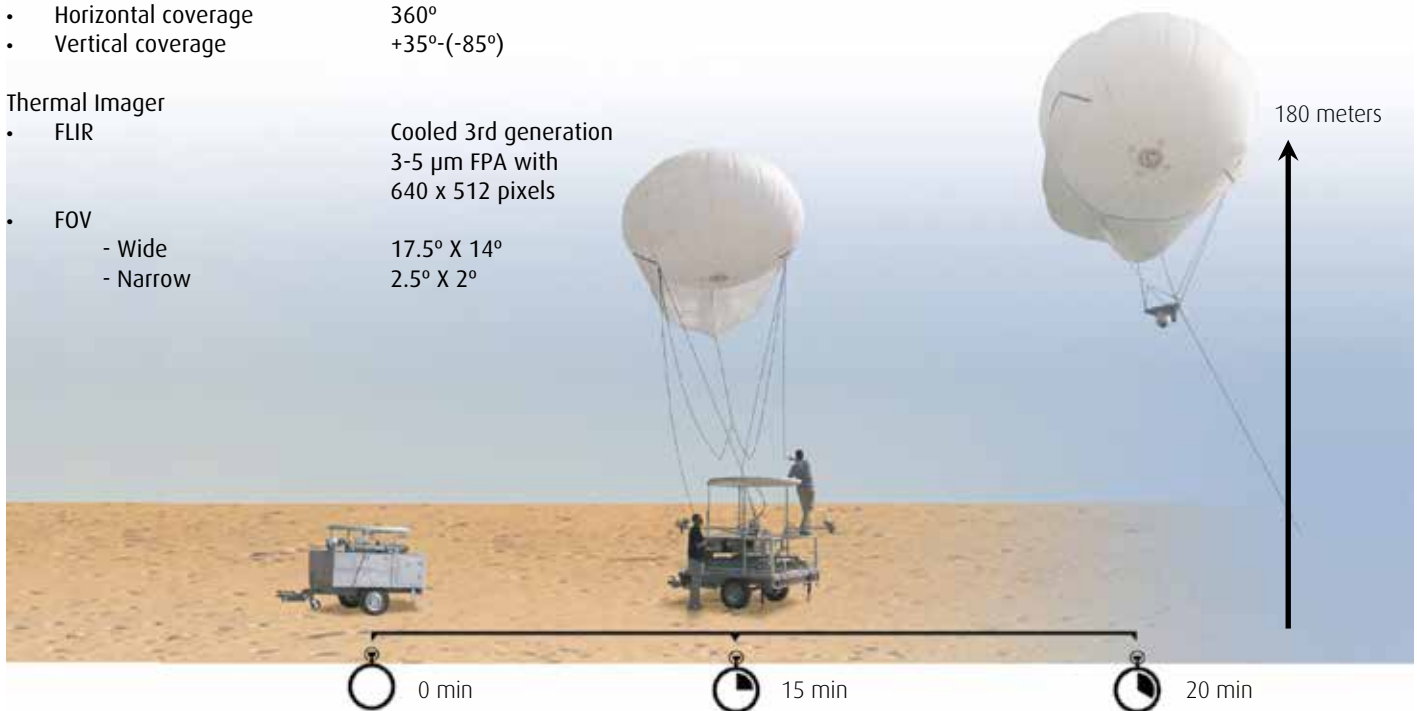
- FLIR Cooled 3rd generation
3-5 μm FPA with
640 x 512 pixels
- FOV
 - Wide $17.5^\circ \times 14^\circ$
 - Narrow $2.5^\circ \times 2^\circ$

Continuous Zoom CCD Sensor

- Fields of View (Cont. zoom)
 - Wide $42^\circ \times 32^\circ$
 - Narrow $1.7^\circ \times 1.2^\circ$
- Spectral band $400 - 750\text{ micron}$

LRF (optional)

- Laser beam wavelength $1.54\ \mu\text{m}$ (eyesafe)
- Pointer 830nm



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