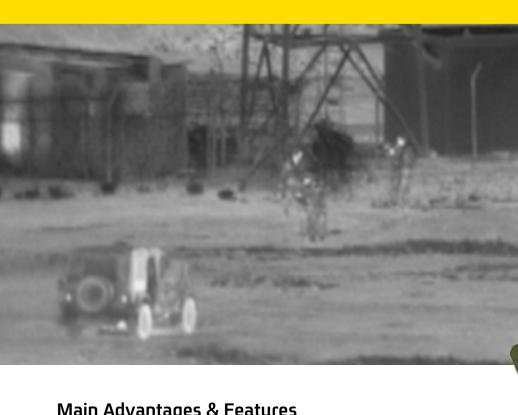
ELOP LONG VIEW 10

Ruggedized Super Long Range Thermal Imaging Observation System with Continuous Optical Zoom



Main Advantages & Features

- State of the art TI Technology
- Outstanding Super Long-range performance
- IR continuous optical zoom
- High-end digital detector
- A lightweight package ruggedized for harsh environment
- Simple operation from any remote console via standard communication

Applications

The LONG VIEW 10 Thermal Imager is intended especially for remote operation applications in harsh environments such as:

- High-end Observation towers and vehicles
- Surveillance systems
- Mobile / Stationary weapon turrets
- · Air defense systems



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Technical Data

Spectral band Optical zoom

NFOV WFOV

Nominal Focal length

Aperture Detector type No. of elements

Cooler **Dimensions** Weight Video signal Communication

Environmental conditions Operating temperatures

Supply voltage Input power

MWIR

> X16, continuous < 0.43°x 0.34° (CCIR) >6.9 x 5.5 (CCIR) 1375mm (NFOV)

10" InSb FPA 640 x 512

Stirling closed cycle

850 mm(L) x 360 mm(W) x 350mm(H)

< 16kg PAL

RS422 or Ethernet

IAW MIL-STD-810F -32°C to +55°C

28 Vdc nominal IAW MII-STD-1275AT

< 50 W @ steady state

Range Performance

Object Dimensions	ī	Calculated Detection Range, [m]	Calculated Recognition Range, [m]
0.5m X 1.75m HUMAN	5°C	28Km	12Km
2.3m X 2.3m NATO	2°C	46Km	24Km
3m X 6m SHIP	2°C	36Km	27Km



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