

LONG VIEW 6

Ruggedized Long Range Thermal Imaging Observation System with Continuous Optical Zoom



Main Advantages & Features

- State of the art TI Technology
- Outstanding 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 6 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	MWIR
Optical zoom	> X16, continuous
NFOV	< 0.74 x 0.6 (CCIR)
WFOV	>12.5 x 10 (CCIR)
Nominal Focal length	770mm (NFOV)
Aperture	6"
Detector type	InSb FPA
No. of elements	640 x 512
Cooler	Stirling closed cycle
Dimensions	510mm(L) x 258 mm(W) x 254mm(H)
Weight	< 10kg
Video signal	PAL
Communication	RS422 or Ethernet
Environmental conditions	IAW MIL-STD-810F
Operating temperatures	-32°C to +55°C
Supply voltage	28 Vdc nominal IAW MIL-STD-1275AT
Input power	< 50 W @ steady state

Range Performance

Object Dimensions	T	Calculated Detection Range, [m]	Calculated Recognition Range, [m]
0.5m X 1.75m HUMAN	5°C	20Km	8Km
2.3m X 2.3m NATO	2°C	34Km	16Km
3m X 6m SHIP	2°C	30Km	18Km



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