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300LS-3 Thermal Imager

Imaging Group

APPLICATIONS:

- Vehicle platforms
- Maritime and harbor patrol
- Border patrol & surveillance
- Shipboard optical sights
- Government and industrial security



The 300LS-3 thermal imaging system is an extremely rugged device, designed to endure harsh environments, yet compact and lightweight for reconnaissance applications requiring mast mounting. Superior standoff performance and low audible noise make the 300LS-3 ideal for covert operations.

The 300LS-3 system is built into an environmentally sealed enclosure, with a heated window and an optional window wiper. This rugged system will withstand the full range of military environmental requirements. The 300LS-3 has inherently high reliability. Its closed cycle cryogenic cooler provides for very long service without periodic maintenance.

The system is based on an InSb 320x240 focal plane array, with a 4x optical dither that provides substantial resolution enhancement. This high performance thermal imager is employed in systems involving helicopter fire-control, perimeter security and surveillance, vehicle and man-portable reconnaissance, coastal watch and navigation. It is offered as a form/fit option to the AN/TSD-501, long wave thermal imager, which is fielded on the Canadian LAV-Rece vehicles. Now, there is a 3-5 μ m or 8-12 μ m choice of rugged, high reliability systems for military applications.



DDGM LAV-Rece



AVENGER



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Features:

- 320X240 InSb FPA
- 4X Optical Dither yields enhanced resolution
- Hands-Off Auto Gain/Level control
- High sensitivity staring FPA
- Digital processing for improved performance
- Standard 3-FOV Optics
- RS232/422 Control

Options:

- Window Wiper
- S-Video Output
- Pan & Tilt mount
- Exterior Color

Parameter	Specification*
Spectral Band	3-5 micron
Detector	320 x 240 InSb FPA
Cooling	Closed cycle cryogenic
Fields-of-view	Narrow: 1.2°H x 0.9°V Medium: 5.0°H x 3.8°V Wide: 22.0°H x 16.5°V
E-Zoom	Programmable, Variable
Video output	RS-170 / NTSC
Size (LxWxH)	17.7" x 8.6" x 7.9" 450mm x 225mm x 200mm
Weight	28 lb (12.73 kg)
Power	75 watts max. @ 18-32 Vdc
Operating Temperature	-40°C to +55°C
Environmental	MIL-STD-810

* Specifications subject to change without notice

04/04

For more information, please contact:

Imaging Group

925 South Semoran Blvd. Suite 114
 Winter Park, FL 32792
 Phone: (407) 673-8333 Fax: (407) 673-8228
 E-mail: imaging@argonst.com



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