



www.argonst.com

300DX-3 Thermal Imager

Imaging Group

APPLICATIONS:

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



The 300DX-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 300DX-3 ideal for covert operations.

The 300DX-3 system is built into an environmentally sealed enclosure, with an optional window wiper. This rugged system will withstand the full range of military environmental requirements. The 300DX-3 has inherently high reliability. Its closed cycle cooler provides a very enviable mean time to failure (MTTF) for long service without periodic maintenance.

The system is based on an InSb 320X256 focal plane array. This high performance thermal imager is employed in systems involving airborne reconnaissance, 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 DDGM LAV-Recce vehicle. Now, there is a 3-5um or 8-12um choice of rugged, high reliability systems for military applications.



Reconnaissance Vehicles



Shipboard Systems



www.argonst.com

300DX-3 Thermal Imager

Features:

- 320X256 InSb FPA
- Hands-Off Auto Gain/Level control
- High sensitivity staring FPA
- Digital processing for improved performance
- Target ID Feature
- Standard 3-FOV Optics
- RS232/422 Control

Options:

- Window Wiper
- Graphics Overlay
- PAL Video Output
- Digital Video Output
- Pan & Tilt mount
- Marineization

Parameter	Specification*
Spectral Band	3-5 micron
Detector	320 X 256 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. @ 18-30 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: imagingales@argonst.com



www.argonst.com