

LIAS-100D

LASER WARNING RECEIVER SYSTEM-100D

HIGH SENSITIVITY

FAST RESPONSE TIME

THREAT CLASSIFICATION (LRF, LTD, LBR)

THREAT IDENTIFICATION AND PRIORITIZATION (VIA MDF-MISSION DATA FILE)

HIGH RESOLUTION DIRECTION OF ARRIVAL (DOA) DETECTION

HIGH HORIZONTAL DIRECTION OF ARRIVAL ACCURACY

DETECTION OF PULSED AND CW MODULATED LBR

OPTIONAL BAND IV (8-12 μ M) WAVELENGTH COVERAGE





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Applications

- Detects Enemy Laser Threats
 - Laser Range Finder (LRF)
 - Laser Target Designator (LTD)
 - Laser Beam Rider (LBR)
- Designed and Qualified for Naval Platforms

Main Features

- 360° Coverage in Azimuth
- High Probability of Detection (PoD)
- Very Low False Alarm Rate (FAR)
- Threat Wavelength Band Detection
- PRF (Pulse Repetition Frequency) Detection
- Threat Tracking
- Multiple Simultaneous Threat Detection and Tracking
- Multiple MDF Capability
- Data Recording Facility (Event and Pulse Parameters) For Post Processing
- Hardware and Software Blanking Interface
- Zeroize Input for Erasing the Critical Data From Memory
- CM (Counter-Measure) Activation Interface
- High MTBF Figure
- Interface to Host Computer
- Test Equipment for O-Level Maintenance

Technical Specifications

Wavelength Coverage	Band I : 0.5 μm to 1.1 μm Band II : 1.1 μm to 1.65 μm Band III : 0.8 μm to 1.1 μm Band IV : 8-12 μm (Optional)
Field of Regard	Azimuth : 360° Elevation : > 80°
Horizontal Direction of Arrival Accuracy	Band I-II : $\leq 1^\circ$ (rms) Band III : $\leq 10^\circ$ (rms) Band IV : $\leq 22.5^\circ$ (rms)
Probability of Detection	LRF (Band I-II-IV) : $\geq \%95$ LD (Band I-II-IV) : $\geq \%95$ LBR (Band III-IV) : $\geq \%99$
Communication Interface	Fast Ethernet (100Mbit) RS-422
Weight (kg)	Processor Unit : < 3.75 Sensor Unit : < 3.25
Size (mm)	Processor Unit : < 162x102x195 Sensor Unit : < 172x152x132

Environmental Conditions

- Operating Temperature : -20°C / +50°C
- Storage Temperature : -40°C / +70°C
- Environmental Spec : MIL-STD-810F
: MIL-STD-461E

