



LASER RANGE FINDER

LRF-210

The BAE Systems Laser Rangefinder LRF-210 is one of a family of BAE Systems Range Instrumentation Solutions for Tactical and Test Range Time-Space-Position-Information (TSPI) applications.

LRF-210

The LRF-210 Eye-safe Laser Rangefinder is designed for mounting on optical tracking systems and provides exceptional sensitivity and range performance for a laser range finder that is eye-safe to the unaided eye.

The LRF-210 uses the latest high reliability, solid state, diode pumped laser technology that is OPO frequency shifted to eye-safe wavelengths. The system is in production for use in test range environments and is planned for use in tactical fire-control systems.

Environmental:

- Ambient Operating Temperature:
-30° C to +35° C
- Ambient Non-Operating Temperature:
-45° C to +50° C
- Relative Humidity During Operation:
0 to 100 percent, without condensation
- Relative Humidity During Non Operation:
0 to 100 percent, with condensation

KEY FEATURES

- Rugged environmental enclosure with modular
- Sub-systems allows customization for all platforms
- Designed for supportability
- Minimal periodic maintenance
- Optional XY boresight platform
- High accuracy range solution for stand-alone optical
- Tracking System
- Class 1M eye-safe
- Air cooled diode pumped

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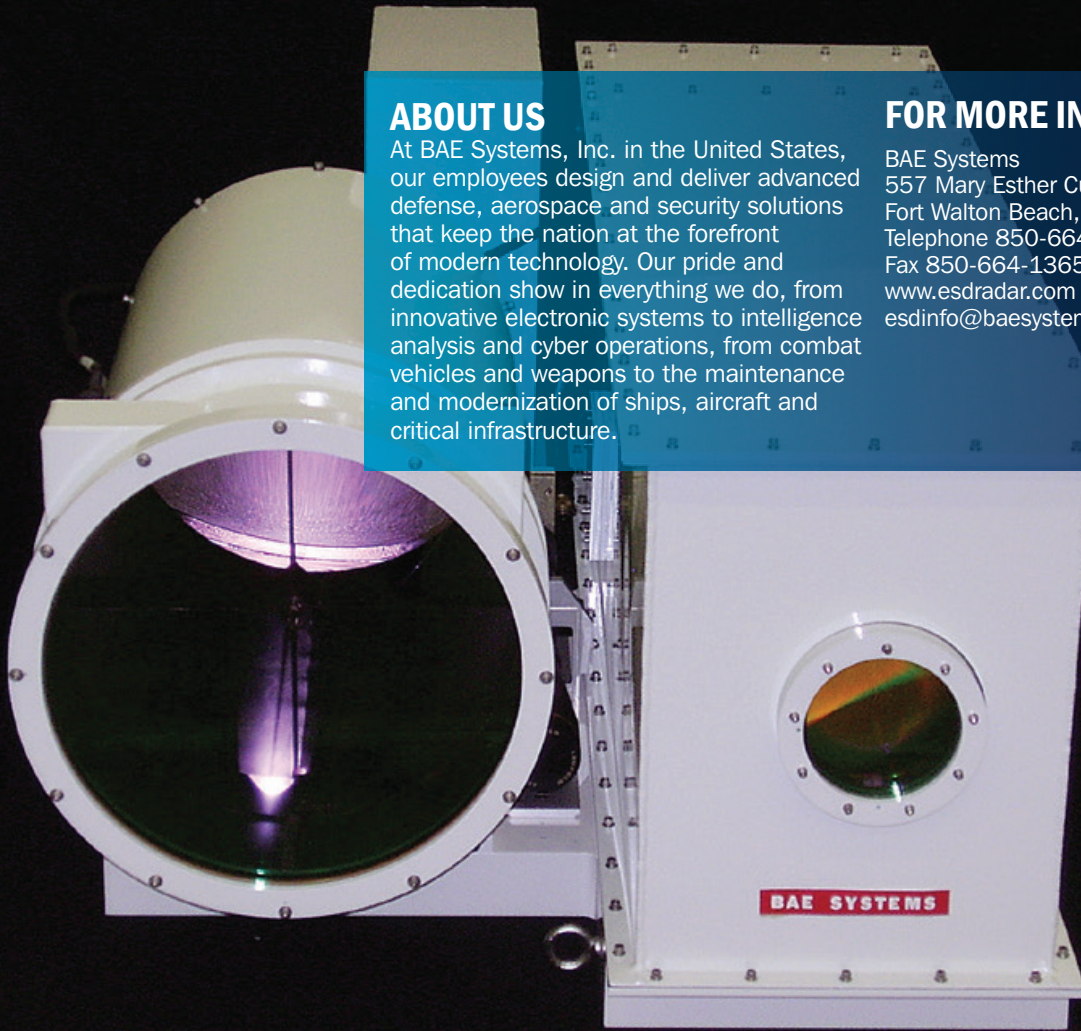
INSPIRED WORK

ABOUT US

At BAE Systems, Inc. in the United States, our employees design and deliver advanced defense, aerospace and security solutions that keep the nation at the forefront of modern technology. Our pride and dedication show in everything we do, from innovative electronic systems to intelligence analysis and cyber operations, from combat vehicles and weapons to the maintenance and modernization of ships, aircraft and critical infrastructure.

FOR MORE INFORMATION

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TYPICAL SYSTEM CONFIGURATION

- Class 1M Eye-safe
- Maximum Range 32km in Clear Atmosphere (14km for 275mm Diameter Target)
- Accuracy $\pm 1\text{m}$ 1 SIGMA
- Wavelength - 1.572 μm
- Detector - InGaAs Avalanche Photo Diode Detector
- Peak Output Power - >2 Megawatts
- Variable TX Beam Divergence - 0.2 to 10 mrad
- Interface - RS422
- Variable Receiver FOV - 0.5 to 3.0 mrad
- Receiver Relative Aperture - f/1.3
- Pulse Repetition Frequency - Up to 30 Hz
- External Synchronization for Video Tracking
- Provided with Boresight Calibration Scope