

SENTINEL LRF (640_9Hz)

HIGH RESOLUTION
LONG RANGE THERMAL BINOCULAR



Display

The high resolution SENTINEL LRF (640_9Hz) is the most effective thermal laser rangefinder binocular available. It serves a wide variety of tactical, law enforcement, border security and special forces applications. SENTINEL LRF (640_9Hz) binoculars use a high-resolution uncooled thermal sensor to perceive differences in the thermal signature of objects within the field of view. The unit can detect objects at remote distances 24 hours a day, through smoke, fog or camouflage. The unit's 3,000+ meter eye-safe laser rangefinder and digital magnetic compass instantly measure distance, azimuth and inclination of far-off targets. Data is displayed inside the field of view and can be exported via the computer output to a variety of peripheral devices.

| Sensor | SENTINEL LRF (640_9Hz) |
|---|------------------------|
| Resolution (pixels) | 640x512 |
| Operating wavelength (μ) | 7 - 14 |
| Sensitivity (mK @F1.0) | <50 |
| Video Output | PAL or NTSC |
| DRI range (m)* | 2,500/625/313 |
| Optics | |
| Objective focal length (mm) | 75 |
| Field of view (°) | 8x7 |
| Eye relief (mm) | 25 |
| Dioptric correction | -6 to +2 |
| Zoom | 2x, 4x |
| Mechanics, Electronics & Environmental | |
| Dimensions (mm) | 197x145x90 |
| Weight without batteries (g) | 1375 |
| Battery type | 6x AA (4x AA optional) |
| Battery life (hours) | 8 |
| Operating Temperature (°C) | -40 to +50 |
| Waterproofing | MIL-STD-810G |
| Laser Rangefinder | |
| Laser wavelength (nm) | 1550 |
| Measurement distance to 2.3x2.3m NATO (m) | 3,000 |
| Distance measuring accuracy (m) | ±1 |
| Device Measurement capability (m) | 5,000 |
| Azimuth measuring range (°) | 360 |
| Elevation measuring range (°) | ±60 |

*Maximum Detection/Recognition/Identification to human-sized target

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DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 6x AA battery (4x AA optional)
- Video cable
- USB cable
- Lens cover
- Shoulder strap
- Lens cleaning cloth
- Operation manual

OPTIONAL ACCESSORIES



Hard Case



Tripod



TVSD



Design and Controls