

# SENTINEL LRF

## LONG RANGE THERMAL BINOCULAR



Display

The SENTINEL LRF 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 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  |
|--|---------------|
| Resolution (pixels)                          | 640x480       |
| Pixel size ( $\mu\text{M}$ )                 | 17            |
| Operating wavelength ( $\mu$ )               | 8 - 14        |
| Sensitivity (mK @F1.0)                       | <55           |
| Video Output                                 | PAL           |
| DRI range (m)*                               | 2,500/625/313 |
| Optics                                       |               |
| Objective focal length (mm)                  | 75            |
| Field of view ( $^{\circ}$ )                 | 8.3x6.2       |
| Eye relief (mm)                              | 25            |
| Dioptric correction                          | -6 to +2      |
| Zoom   | 2x, 4x        |
| Internal recording module                    | Optional      |
| Mechanics, Electronics & Environmental       |               |
| Dimensions (mm)                              | 210x146x89    |
| Weight without batteries (g)                 | 1,307         |
| Battery type                                 | 6x AA         |
| Battery life (hours)                         | 6             |
| Operating Temperature ( $^{\circ}\text{C}$ ) | -40 to +50    |
| Waterproofing                                | MIL-STD-810G  |
| Laser Rangefinder                            |               |
| Laser wavelength (nm)                        | 1,550         |
| Measurement distance to 2.3x2.3m NATO (m)    | 3,000         |
| Distance measuring accuracy (m)              | $\pm 1$       |
| Device Measurement capability (m)            | 5,000         |
| Azimuth measuring range ( $^{\circ}$ )       | 360           |
| Elevation measuring range ( $^{\circ}$ )     | $\pm 60$      |

\* 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