

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 (μM)	17
Operating wavelength (μ)	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)	4 (rechargeable) / 6 (Lithium battery)
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)	± 1
Device Measurement capability (m)	5,000
Azimuth measuring range ($^{\circ}$)	360
Elevation measuring range ($^{\circ}$)	± 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