

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 5,000+ 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)	384x288
Operating wavelength (μ)	7 - 14
Sensitivity (mK @F1.0)	<50
Video Output	PAL or NTSC
DRI range (m)*	1,700/425/213
Optics	
Objective focal length (mm)	75
Field of view (°)	7x6
Eye relief (mm)	35
Dioptric correction	-6 to +2
Zoom	2x, 4x
Mechanics, Electronics & Environmental	
Dimensions (mm)	197x145x90
Weight without batteries (g)	1375
Battery type	6x AA
Battery life (hours)	8
Operating Temperature (°C)	-40 to +50
Laser Rangefinder	
Laser wavelength (nm)	1550
Measurement distance to 2.3x2.3m NATO (m)	2,000
Distance measuring accuracy (m)	±1
Azimuth measuring range (mils/°)	6,400/360
Elevation measuring range (mils/°)	2,133 /120

*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
- Video cable
- USB cable
- Lens cover
- Lens cleaning cloth
- Operation manual

OPTIONAL ACCESSORIES



Hard Case



Tripod



TVSD



Design and Controls