

SENTINEL LRF (640)

HIGH RESOLUTION
LONG RANGE THERMAL BINOCULAR



Display

The SENTINEL LRF (640) features the same observation capability as the SENTINEL and includes a 3,000+ m eye-safe laser rangefinder and digital magnetic compass for azimuth and inclination measurement.

SENTINEL LRF (640) is an advanced thermal imaging binocular with a wide variety of tactical, law enforcement, border security and special forces applications. The SENTINEL LRF (640) utilizes a high-resolution uncooled thermal sensor to perceive differences in the thermal signature of objects within the field of view. This device can detect objects at remote distances 24 hours a day, through smoke, fog or camouflage.

Sensor	SENTINEL LRF (640)
Resolution (pixels)	640x480
Operating wavelength (μ)	8 - 14
Sensitivity (mK @F1.0)	<55
Video Output	PAL
DRI range (m): Human Tank	2,500/625/313 6,800/1,700/850
Optics	
Objective focal length (mm)	75
Field of view (°)	8.3x6.2
Eye relief (mm)	25
Dioptric correction	-6 to +2
Zoom	Fixed 2x, 3x, 4x, plus continuous zoom
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)	3,000
Distance measuring accuracy (m)	±1
Device Measurement capability (m)	5,500
Azimuth measuring range (°)	360 (± 60)
Elevation measuring range (°)	120 (± 60)

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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 kit
- Operation manual

OPTIONAL ACCESSORIES



Hard Case



Tripod



TVSD

