



Display



SENTINEL MLRF MULTI-FUNCTION LONG RANGE THERMAL BINOCULAR

The SENTINEL MLRF is the most effective handheld multi-functional thermal laser rangefinder binocular available. It serves a wide variety of tactical, law enforcement, border security and special forces applications. SENTINEL MLRF 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 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.

Infrared sensors	
Detector type	Vox
Resolution (pixels)	640 x 512
Spectrum (µm)	8-14
NETD (mK) @F1.0	<40
Frequency (Hz)	50
Signal to noise ratio (DB)	56
Objective Focal Length (mm)	50 @F1.0
Field of View (°)	12.4 x 9.0
Non-uniformity correction	Manual / Auto
Image processing	Digital image detail enhancement (DDE)
Detection/Recognition of tank target (km)	6.0/2.0
Detection/ Recognition of human target (km)	2.0/0.5
Zoom	1-8x
Day channel	
Detection/Recognition of tank target (km)	6.0/2.0
Detection/ Recognition of human target (km)	2.0/0.5
Objective Focal Length (mm)	35
Field of View (°)	12.4 x 7.0
Zoom	1-4x
LRF	
Laser type	Semiconductor laser, Class I
Laser wavelength (µm)	1,550
Detection range (m)	10 - 5,000
Ranging accuracy (m)	±1
GPS	
Type	GPS, Galileo (GNSS)
Target locating error	±10M (target<1km)

+44 (0)7920 101 555 info@ndhdefence.com www.ndhdefence.com

Ottershaw - Surrey - England

