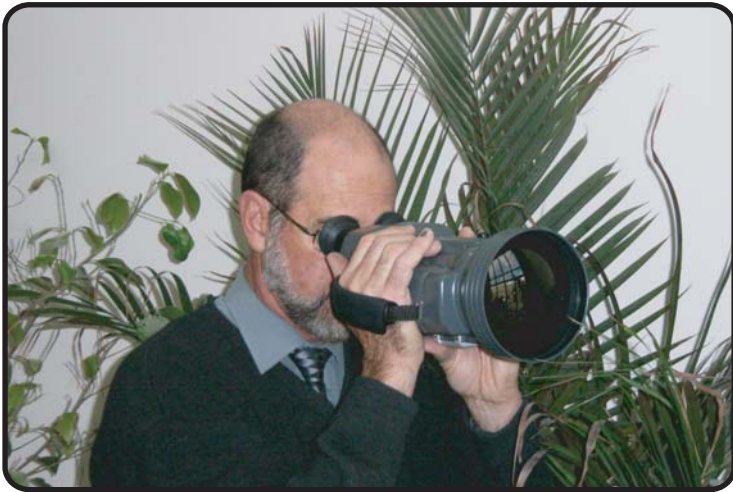


LR-GPS 140c Long Distance Handheld Infrared Binoculars



- High Resolution 384x288 Thermal Engine
- French (Sofradir) Infrared Detector
- GPS Capability - integrated
- Digital Compass - integrated
- Laser Range Finder - optional
- Rugged Reliable Performance
- Shock Protected Precision Optics
- 140mm Germanium Objective Lens
- Superior Dual OLED Viewfinders
- Low Power Usage, less than 4.5 W with GPS



Target Detection
6km
Identify Human
2.2km
Identify as Man/Woman
1.7km

The LR-GPS 140c is a multifunctional Military Spec., Man Portable Thermal Imaging Binocular/Viewer that enables Night Time land, sea or air target acquisitions. The kit integrates GPS, Digital Compass and Laser Range Finder (optional) in a compact, robust, USER FRIENDLY single-handed, ergonomically well balanced unit.

Utilising the most advanced French 384x288 resolution sensor available, the LR-GPS 140c delivers crisp high definition / high resolution imaging in total darkness, harsh environments and adverse weather conditions. The kit's long range capability makes this unit 'purpose built' for the battlefield, law enforcement applications, search and rescue etc.

Operation of the LR-GPS 140c is extremely straightforward via viewfinder menu system, controlled by the conveniently positioned 4x 'top-of-body' control buttons. Images are viewed via the LR-GPS 140c binoculars' Dual OLED High Resolution integrated displays/viewfinders. Advanced reconisance capability is provided with optional **COLOUR** composite video output for mission recording.

Imaging Performance

Detector type:	Uncooled FPA Microbolometer 384x288 pixels, 35um
Spectral Range:	8 - 14 um
Field of View:	5.5° x 4.1°
NETD:	< 80mk
Gain & Offset:	Auto and Manual Control

Environmental

Operating Temperature:	-30°C to +50°C
Storage Temperature:	-40°C to +60°C
Humidity:	Operating and Storing 10% to 95% non-condensing
Shock:	25G, IEC68-2-29
Vibration:	2G, IEC68-2-6

Image Presentation

Video Output:	PAL or NTSC, composite video
Integrated Display:	Dual OLED viewfinder
Image Colour:	B&W, B&W inverse

Power System

Battery Type:	7.2V rechargeable COTS Li-ion Battery
Battery Operating Time:	3 hours continuous operation
External Power :	AC adapter 110/220 VAC, 50/60 Hz

Physical Characteristics

Weight:	2.0 Kg
Size:	290mm x 140mm x 144mm
Tripod Mounting :	1/4" -20

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