



Recon®V

FLIR RECON® V

Long-Range Thermal Binocular

The latest member of the field-proven Recon family, the Recon V is a compact, rugged, ultra light-weight thermal binocular designed for field operations that require enhanced imagery and long standoff range, 24/7. With internal GPS, Digital Magnetic Compass, and long-range laser rangefinder, the Recon V provides accurate range to target and target geo-location. The 10× continuous zoom optic, MEMS-based electronic stabilization, and high definition color video display combine to provide unmatched image quality and flexibility.

BEST-IN-CLASS IMAGING

Combining unmatched image quality with industry-leading image processing and a high definition display, Recon V gives you the image quality and clarity your mission demands

- 640x480 midwave infrared imager
- Continuous 10× optical zoom from 20° to 2°
- High definition display

POWERFUL TACTICAL CAPABILITIES

Built-in components combine to give you accurate range to target, precise target geo-location, and rock-solid imagery

- Internal Digital Magnetic Compass and GPS
- Built-in Laser Rangefinder
- MEMS-based electronic stabilization

FLEXIBLE, TOUGH & POWERFUL

Designed and proven to provide a lightweight, easy to use design that is tough enough to survive everything your mission can throw at it

- Light weight yet rugged design
- Qualified to MIL-STD 810G to stand up to the real world
- Easy to use with minimal operator fatigue



Recon®V in the field

System Characteristics

Thermal Imaging Performance	
Sensor type	640 x 480 InSb
Wavelength	3.4 – 5.1µm
Cooler	Sub-Micro IDCA
Telescope	10X Zoom 27-275mm
WFOV	20° x 15°
NFOV	2° x 1.5°
Display	
Display Type	OLED, Full Color
Display Resolution	1280x720, (720p) 16:9
Frame Rate	60Hz
Image Controls	Cal, Pol, Auto/ Man Gain, Display, Auto Focus, Palettes
Symbology	Reticles, Batty Icon, Azimuth, Time/ Date
System Features	
Global Positioning System (GPS)	C/A code
SAASM GPS	supports military GPS plug-in (optional)
Digital Magnetic Compass	360° Az, +/- 90° El, 0.2° resolution
Laser Rangefinder (LRF)	1.54 µm, Eyesafe, class 1, 10km
Laser Pointer (LP)	852 nm, Class 3B, .5/30mW (optional)
Image Storage	Yes, 1000 png
E-Stabilization	MEMS Gyro, No image latency
Physical	
Battery Type	AA Lithium
Run Time	6 hours (Hot Swap)
External Pwr	9-32VDC
Weight	4.25 lbs (1.9kg) with batteries
Dimensions	8.7 x 7.4 x 3.5 (225Cu in)
Interface	
Video	NTSC/ PAL & HD-SDI
Serial Interfaces	1 ea. RS-232 (DAGR)
Serial Interfaces	2 ea. RS-232 or RS-422
Standard Package	
Hard Case	Ruggedized Shipping Case
Soft Case	Padded Carry Bag
Batteries	2 sets, AA Lithium
Manuals	Operational, Quick Reference Card
Lens Kit	Cleaning Cloth, Brush
Video Cable	Standard HD-BNC
External Power	B/A-5590 Power Cable
AC Adapter	Power Supply with Cable
Optional Accessories	
Remote LRF Cable	Cabled Remote to fire LRF
Communications Cable	Download images, video out
DAGR Cable	Use to connect to DAGR GPS

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