



**THERMAL BINOCULAR WITH EO, LASER  
RANGEFINDER, AND LASER POINTER**

## FLIR Recon® V

The Recon® V is a compact and light yet rugged multi-sensor thermal binocular designed for 24/7 day and night field operations that require enhanced imagery and long standoff range. Its internal GPS, DMC, and long-range laser pointer provide accurate range to target as well as precise location. The 10x continuous zoom optics, MEMS-based electronic stabilization, and high-definition color video display combine to provide unmatched image quality and flexibility.

Powered by AA Li batteries, the unit has a run time of up to six hours. It's SWaP-optimized and qualified to MIL-STD 810G for easy portability under rigorous mission demands. An intuitive interface reduces training time and simplifies usability in high-stress field operations. While operators provide mission-critical situational awareness data they remain safe by always being connected to their extended team.

### FEATURES

#### BEST-IN-CLASS THERMAL IMAGING

Combining 640x480 MWIR image quality with industry-leading processing and a high-definition display, Recon V provides the clarity your mission demands.

#### POWERFUL TACTICAL CAPABILITIES

Built-in stabilization, digital magnetic compass, GPS, and laser pointer provide accurate range-to-target, precise geo-location, and rock-solid imagery.

#### FLEXIBLE, TOUGH, AND POWERFUL

SWaP-optimized and easy to use, Recon V minimizes operator fatigue and is rugged enough to survive everything your mission may throw at it.

#### INCREASED SITUATIONAL AWARENESS

10x continuous zoom provides long-range narrow FOV as well as wide-angle FOV for battlefield flexibility.

#### EASY, INTUITIVE OPERATION

An intuitive interface includes electronic stabilization (E-Stab), one shot image save, auto fall-of-shot, auto image optimization, auto focus and BIT, reducing training time and improving usability in high-stress field operations.

### APPLICATIONS

RECONNAISSANCE

SURVEILLANCE

MILITARY POLICE SECURITY

FORWARD OBSERVATION

FORCE PROTECTION

## SPECIFICATIONS

### 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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