



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

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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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