

RECON® V

THERMAL BINOCULAR WITH EO, LASER RANGEFINDER, AND LASER POINTER

APPLICATIONS

- RECONNAISSANCE
- SURVEILLANCE
- MILITARY POLICE SECURITY
- FORWARD OBSERVATION
- FORCE PROTECTION



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 highdefinition 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 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.

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SPECIFICATIONS

Thermal Imaging Channel:

- 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

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)

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

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

Interface:

- Video: NTSC/ PAL & HD-SDI
- Serial Interfaces: 1 ea. RS-232 (DAGR)
- Serial Interfaces: 2 ea. RS-232 or RS-422

Optional Accessories:

- Remote LRF Cable: Cabled Remote to fire LRF
- Communications Cable: Download images, video out
- DAGR Cable: Use to connect to DAGR GPS

