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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Specsheet LTR