Fully operational at less than three pounds, the breakthrough Recon V Ultra Lite provides long-range target detection, recognition, recording and geo-location with an HD color camera and dual FOV thermal channels. Powered by commercially available AA batteries, the unit has a run time greater than four hours with smart power management. Combined with a highly accurate laser range finder, GPS, digital magnetic compass and intuitive user interface, targets can be quickly located 24/7.

Essential to expeditionary ground forces, Recon V Ultra Lite helps to quickly determine intent or IFF for unknown targets. With day and night capabilities, a quick-shot LRF instantly generates target geo-location data to accompany imagery that can be shared with ground forces through Bluetooth, WiFi or hardwired USB connections to peripheral devices. While operators provide mission-critical situational awareness data they remain safe by always being connected to their extended team.

### Features

<table>
<thead>
<tr>
<th>Best-in-Class Imaging</th>
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<tr>
<td>Combining the latest 12-micron thermal imaging sensor with industry-leading processing and an HD color display, Recon V Ultra Lite provides outstanding image quality for positive target identification in daylight and thermal channels.</td>
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<tr>
<th>Rapid Target Classification</th>
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<td>Built-in stabilization, 7.2x magnification, digital magnetic compass, GPS, and laser rangefinder provide accurate range-to-target and precise geo-location.</td>
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<tr>
<th>Designed for Individual Field Operators</th>
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<td>Light and easy to use, Recon V Ultra Lite minimizes operator fatigue and is rugged enough to survive the most demanding field missions.</td>
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<th>Acute Situational Awareness</th>
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<td>Video, still imagery and data can be recorded or output via Bluetooth, WiFi or USB hardwired connections to supporting field elements for real-time situational awareness.</td>
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<tr>
<th>Easy, Intuitive Operation</th>
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<td>An intuitive interface bypasses overly complex dropdowns in favor of a quick-shot LRF and pushbutton image and video capture, reducing training time and improving usability in high-stress field operations.</td>
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### Applications

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<tr>
<th>Reconnaissance</th>
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<td>Surveillance</td>
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<td>Military Police Security</td>
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<tr>
<td>Forward Observation</td>
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<tr>
<td>Force Protection</td>
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**SPECIFICATIONS**

**Thermal Imaging Channel**
- Sensor type: 640 x 512 format, LWIR 8-12μm
- Super Wide FOV: 12.2° h x 6.9° v
- Wide FOV: 6° h x 3.3° v
- Narrow FOV: 3° h x 2°.0° v
- Optical Focal Length: 38mm
- Frame Rate: 60 Hz
- Automatic features: AGC, Digital Detail Enhancement (DDE)
- Startup time: < 10 seconds

**High Definition Color Channel**
- Sensor type: High definition color CMOS
- Pixel format: 5 megapixels (2592 x 1944 resolution)
- Wide FOV: 6° h x 3.3° v
- Narrow FOV: 3° h x 1.7° v
- Optical Focal Length: 35mm
- Frame Rate: 60 Hz
- Automatic features: AGC, white balance

**System Features**
- Laser Rangefinder (LRF): 1.54 μm, >10 km range, eyesafe
- Display: High definition color OLED, 1280 x 720p
- Image presentation: Monochrome, color, 16:9 aspect ratio
- Diopter adjustment: +/- 4 diopters, Monocular
- Image controls: Polarity, color palettes, DDE, AGC, reticle select
- Camera controls: Sensor select, FOV, LRF fire, NUC, BIT

**Power**
- Power requirements: 6 VDC/ 10 W (9 V to 32 VDC external)
- Battery type: 4 AA Lithium L91, 4 hour run time at 23°C
- Power saving mode: Auto shut off, user selectable time
- Extended Run Time: >48 hours on B/A-5590 external battery

**Environmental**
- Military Standards: MIL-STD-810G
- Weight: <1.5kg including batteries
- Mounting: Tripod mount 1/4-20 base
- Dimensions: 215 x 171 x 84mm

**System Accessories**
- Soft case carry: Lightweight and padded with carry strap
- AC power adapter: 110 VAC/220 VAC power supply (optional)
- Batteries: 8 each, AA Lithium L91
- Lens cleaning kit: Cleaning kit in nylon pouch
- Operators manual: Operators manual and quick reference card

**System Configuration Options**
- Laser pointer: 850nm, 6mW training mode/ 30mW maximum in tactical mode
- Global Satellite Nav System (GNSS): C/A code, 22 channel
- Digital Magnetic Compass: 0.6° (RMS) calibrated accuracy
- Video Output: Digital video, Wi-Fi
- Geo-Location: Auto generated with LRF fire
- Image and Video Storage: 1000 jpeg images, up to 4 hours video storage
- USB Interfaces: Remote control, image and video download
- Cables: USB, remote power
- Wireless connectivity: Wi-Fi, Bluetooth, NFC