Fully operational at less than 1.6 kilograms, 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. 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**

**BEST-IN-CLASS IMAGING**
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.

**RAPID TARGET CLASSIFICATION**
7.2x magnification, digital magnetic compass, GPS, and laser rangefinder provide accurate range-to-target and geo-location.

**DESIGNED FOR INDIVIDUAL FIELD OPERATORS**
Light and easy to use, Recon V Ultra Lite minimizes operator fatigue and is rugged enough to survive the most demanding field missions.

**ACUTE SITUATIONAL AWARENESS**
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.

**EASY, INTUITIVE OPERATION**
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.

**APPLICATIONS**

**RECONNAISSANCE**

**SURVEILLANCE**

**MILITARY POLICE SECURITY**

**FORWARD OBSERVATION**

**FORCE PROTECTION**
### Thermal Imaging Channel

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor type</td>
<td>640 x 512 format, LWIR 8-12μm</td>
</tr>
<tr>
<td>Super Wide FOV</td>
<td>12° x 7° v</td>
</tr>
<tr>
<td>Wide FOV</td>
<td>6° x 3.3° v</td>
</tr>
<tr>
<td>Narrow FOV</td>
<td>4° x 2.3° v</td>
</tr>
<tr>
<td>Optical Focal Length</td>
<td>38mm</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>30 Hz</td>
</tr>
<tr>
<td>Automatic features</td>
<td>AGC, Digital Detail Enhancement (DDE)</td>
</tr>
</tbody>
</table>

### High Definition Color Channel

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor type</td>
<td>High definition color CMOS</td>
</tr>
<tr>
<td>Pixel format</td>
<td>5 megapixels (2592 x 1944 resolution)</td>
</tr>
<tr>
<td>Wide FOV</td>
<td>6° x 3.3° v</td>
</tr>
<tr>
<td>Narrow FOV</td>
<td>3° x 1.7° v</td>
</tr>
<tr>
<td>Optical Focal Length</td>
<td>35mm</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>30 Hz</td>
</tr>
<tr>
<td>Automatic features</td>
<td>AGC, white balance</td>
</tr>
</tbody>
</table>

### 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 (9 V to 32 VDC external)
- Battery type: 4 AA Lithium L91
- 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: 1.6kg including batteries
- Mounting: Tripod mount 1/4-20 base
- Dimensions: 215 x 171 x 84mm

### System Accessories

- Soft carry case: 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
- Manual: Operators manual and quick reference card
- System Configuration Options
  - Laser pointer: 850nm, 0.6mW training mode / 30mW maximum in tactical mode
  - Global Satellite Nav System (GNSS): Navstar GPS, Galileo, Glonass
  - Digital Magnetic Compass: ±0.6° (RMS) calibrated accuracy
  - Video Output: Wi-Fi, USB 3.0
  - Geo-Location: Auto generated with LRF fire
  - Image and Video Storage: 1000 jpeg images, up to 2 hours video storage
  - USB Interfaces: Image and video upload, video
  - Cables: USB 2.0, USB 3.0, B/A-5590
  - Wireless connectivity: Wi-Fi, Bluetooth, NFC

### Remote Control

- Wi-Fi

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