



**THERMAL BINOCULAR
WITH THERMAL AND EO SENSORS**

FLIR Recon® B9

The Recon® B9 delivers unmatched range performance and image quality in a light, ergonomic package that features a long-wave IR sensor and color EO camera with 4x continuous digital zoom as well as image storage/download capability. An optional 30mW laser pointer and internal DMC are also available. Powered by AA batteries, this portable imager is ideal for force protection, surveillance, reconnaissance, overwatch, and drug interdiction.

Split-screen viewing of both day and night channels enables operator to view both wavebands together in real time to identify visual cues for rapid target assessment. At only 3.7 pounds with batters and MIL-STD-810F qualified, Recon B9 allows a dismounted soldier to gather up to 1,000 JPEG images in the field and then download them via USB for further analysis.

FEATURES

THERMAL + VISIBLE LIGHT CAMERAS

High-resolution large format 640x480 VOx microbolometer MWIR and color camera provide unmatched quality, helping operators identify more in daylight scenes.

AUTOMATIC DIGITAL IMAGE PROCESSING

AGC, STACE™ DDE, and auto-focus deliver sharper, finer detail than analog systems.

RUGGED MIL-STD-810F QUALIFIED

At 3.7 pounds with batteries, the Recon B9 helps reduce fatigue during long missions, while maintaining field-hardened integrity.

INCREASED SITUATIONAL AWARENESS

4x continuous zoom provides long-range narrow FOV as well as wide-angle FOV for battlefield flexibility.

TARGET MARKING OPTION

An optional 30mW laser pointer that is optically boresighted to imaging channels can point out targets for supporting team members at multi-kilometer ranges.

APPLICATIONS

TARGET GEO-LOCATION

RECONNAISSANCE

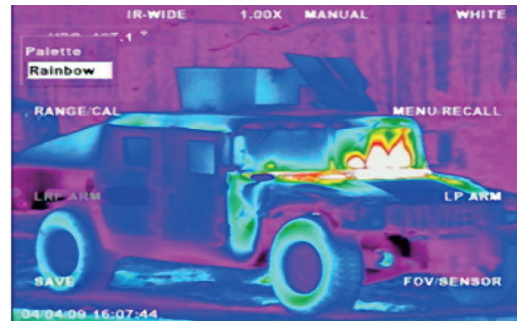
SURVEILLANCE

SITUATIONAL AWARENESS

FORCE PROTECTION

SKYWATCH DETAILS

RECON B9	
Sensor type	640 x 480 VOx microbolometer (320 x 240 VOx option)
FOV	9.3° h x 7° v
Digital zoom	Continuous to 4x
Spectral band	8-12 µm
Automatic features	AGC, STACE™ Digital Detail Enhancement (DDE), Auto focus
Visible Color Channel	
Sensor type	1/4" IL CCD
Pixel format	768 x 494 pixels
Digital zoom	Continuous to 4x
Sensitivity	0.1 lux
FOV	8.6° h x 6.4° v
System Features	
Laser Pointer (LP) Option	852nm, Class 3B, 0.5/30mW
Image Presentation	Monochrome, color and split screen (picture over picture)
POWER	
Power requirements	9 VDC/6 W (11 V to 32 VDC external)
Battery type and life	AA Lithium (6), >4.0 hours continuous
Environmental	
Mil-Spec	MIL-STD-810F
Operating temp	-32°C to +55°C (-26°F to +131°F)
Dimensions, Weight & Mounting	
Dimensions	22.1 x 16.8 x 8.4 cm (8.7" x 6.6" x 3.3")
Weight	<1.7 kg (3.7 lb.), batteries included
Mounting	Tripod mount 1/4-20 base
Interfaces	
Command and Control	RS 232/422
Image Download	USB (stores up to 1000 JPEGs)
Standard Package	
Batteries	12 each, AA Lithium
Lens cleaning kit	Complete cleaning kit in nylon pouch
Cables	Video cable, 3 m with BNC connectors, USB download cable, Adapter 110/220 VAC power supply
Soft case	Lightweight with padded zippered compartments
Manual	Operator's Manual and Quick Reference Guide
Options & Accessories	
Digital magnetic compass, interface and power cables, hard case with foam insert	



STACE™
Digital Image Enhancement

AMERICAS

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