

Recon[®] B9

LIGHTWEIGHT THERMAL BIOCLULAR



APPLICATIONS

RECONNAISSANCE
 SURVEILLANCE
 SITUATIONAL AWARENESS
 FORCE PROTECTION
 BORDER PATROL
 PORT SECURITY
 COUNTER DRUG OPERATIONS

FEATURES

High resolution, large format 640 x 480 longwave VOx Microbolometer (320 x 240 option)
 New automatic digital image processing techniques
 Lightweight and rugged Mil-STD-810F qualified
 Visible light color camera
 Laser pointer
 It's all FLIR inside

BENEFITS

Delivers unmatched range performance and image quality
 Offers image detail unmatched by analog systems
 Reduces operator fatigue for long duration missions without sacrificing field hardening
 Provides color discrimination to operator, improving the ability to describe a daylight scene
 Offers additional tactical advantage when coupled with night vision equipment; has eyesafe training operation mode
 FLIR controls the entire supply chain on the critical technology inside Recon systems, ensuring fast service and long term support



High sensitivity thermal imagery



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THERMAL IMAGING PERFORMANCE

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

CORPORATE HEADQUARTERS

FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
PH: +1 800.727.3547

BOSTON

FLIR Systems, Inc.
25 Esquire Road
North Billerica, MA 01862
PH: +1 800.464.6372

HUNTSVILLE

FLIR Systems, Inc.
Huntsville, AL USA
PH: +1 256.325.3547

PITTSBURGH

FLIR Systems, Inc.
Freeport, PA USA
PH: +1.724.295.2880

WASHINGTON, D.C.

FLIR Systems, Inc.
2800 Crystal Drive, Suite 330
Arlington, VA 22202 USA
PH: +1 703.416.6666

EUROPE

FLIR Systems Ltd.
West Malling, Kent
United Kingdom
PH: +44.1732.220011

CANADA

FLIR Systems Ltd.
Burlington, ON
Canada
PH: +1 800.613.0507

SWEDEN

FLIR Systems AB
Täby, Sweden
PH: +46.8.753.2500

MIDDLE EAST

FLIR Systems Middle East, FZCO
Dubai Airport Free Zone
PH: +9714.299.6898

www.flir.com/GS



STACE[™]
Digital Image Enhancement

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