

# Recon<sup>®</sup> III Lite

MEDIUM RANGE, LIGHTWEIGHT  
THERMAL BINOCULAR



## APPLICATIONS

- RECONNAISSANCE
- SURVEILLANCE
- SITUATIONAL AWARENESS
- BATTLE DAMAGE ASSESSMENT
- FORCE PROTECTION
- BORDER PATROL
- PORT SECURITY
- COUNTER DRUG OPERATIONS

## FEATURES

- High resolution, large format 640 x 480 longwave VOx Microbolometer
- New automatic digital image processing techniques
- Lightweight and rugged Mil-STD-810F qualified
- Internal digital magnetic compass
- Visible light camera
- Flexible, power, and video options
- 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
- Allows operator to determine bearing to target and communicate direction to support personnel
- Provides color discrimination to operator, improving the ability to describe a daylight scene
- Can be configured for tripod use for continuous operation with video output
- Offers additional tactical advantage when coupled with night vision equipment
- FLIR controls the entire supply chain on the critical technology inside Recon systems, ensuring fast service and long term support



High sensitivity thermal imagery



Split screen mode viewing capability



## Recon<sup>®</sup> III Lite

### THERMAL IMAGING PERFORMANCE

Sensor type	640 x 480 VOx Microbolometer
FOV	9.2° h x 6.9° v
Digital zoom	Continuous to 4x
Spectral band	8-12 μm
Automatic features	Auto focus, AGC, STACE™ (digital image enhancement)

### 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	9.2° h x 6.9° v

### OUTPUTS

Video	NTSC/PAL Video
Connector types	BNC, S Video
Display type	Binocular, OLED
Image presentation	Monochrome, color and split screen

### POWER

Power requirements	7 VDC/ 15 W (9 V to 32 VDC external)
Battery type and life	> 4.0 hours continuous (2 Lithium D cells)

### ENVIRONMENTAL

Mil-spec	MIL-STD-810F
Operating temp	-32°C to 55°C (-26°F to 131°F)

### DIMENSIONS, WEIGHT & MOUNTING

Dimensions	20.3 x 25.1 x 10.9 cm (8.0" x 9.9" x 4.3")
Weight	<2.0 kg (4.5 lb.)
Mounting	Tripod mount 1/4-20 base

### INTERFACES

Command and Control	RS 232/422
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### STANDARD PACKAGE

Storage/transport case	Hard shell, lockable with fitted foam insert
Adapter/charger	110 VAC/220 VAC power supply
Batteries	4 each, Lithium D cells, rechargeable
Lens cleaning kit	Complete cleaning kit in nylon pouch
Cables	Video cable, 3 m with BNC connectors Cigarette lighter, 3 m
Battery Charger	110 VAC/220 VAC input
Operator's manual	

### ADDITIONAL FEATURES

Laser pointer	830 nm Class 3B 30 mW
Soft case	Lightweight with padded zippered compartments
Image storage	Up to 1000 JPEGs
Image download	Via USB connection

**STACE™**  
Digital Image Enhancement

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### CORPORATE HEADQUARTERS

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

### BOSTON

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

### HUNTSVILLE

FLIR Systems, Inc.  
675 Discovery Drive  
Suite 103  
Huntsville, AL 35806  
USA  
PH: +1 256.325.3547

### WASHINGTON, D.C.

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

### EUROPE

FLIR Systems Ltd.  
2 Kings Hill Avenue  
West Malling, Kent  
ME19 4AQ  
United Kingdom  
PH: +44.1732.220011

### CANADA

FLIR Systems Ltd.  
5230 South Service Road  
Suite 125  
Burlington, ON L7L 5K2  
Canada  
PH: +1 800.613.0507

### SWEDEN

FLIR Systems AB  
Rinkebyvagen 19  
P.O. Box 3  
SE-182 11 Danderyd  
Sweden  
PH: +46.8.753.2500

### MIDDLE EAST

FLIR Systems Middle East  
FZCO  
Unit C-13  
Dubai Airport Free Zone  
P.O. Box 54262  
Dubai  
United Arab Emirates  
PH: +9714.299.6898

[www.flir.com/GS](http://www.flir.com/GS)



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Extraordinary Vision