

Recon[®] III ObservIR

LONG 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 640x480 mid-wave InSb sensor
- Instant-on, long-wave channel
- Fast 3 field of view system with 15, 10, and 2.5 degree fields of view and digital zoom
- New automatic digital image processing techniques
- Lightweight and rugged Mil STD 810-F qualified
- Flexible remote control, power, and video options
- Optional laser pointer
- It's all FLIR inside

BENEFITS

- Delivers unmatched range performance and image quality
- Provides fast situational awareness and a redundant sensor
- Perfectly matched zoom settings for the short, medium, and long range reconnaissance mission
- Offers image detail unmatched by analog systems
- Reduces operator fatigue for long duration missions without sacrificing field hardening
- Can be configured for tripod use with full remote control 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



Long range optics aid in identification





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THERMAL IMAGING PERFORMANCE

Sensor type	640 x 480 InSb and 320 x 240 VOx Microbolometer
Number of fields of view	3
Wide FOV	15.0° h x 11.3° v
Medium FOV	10.0° h x 8.0° v
Narrow FOV	2.5° h x 1.8° v
E-zoom	Continuous to 4x
Spectral band	3-5, 8-12 μm
Automatic features	Auto focus, AGC, Digital Detail Enhancement (DDE)

OUTPUTS

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

POWER

Power requirements	7 VDC/ 5.5 W (9 V to 32 VDC external)
Battery type and life	2.5 hours continuous (D cell Lithium) 4.0 hours in power save mode

ENVIRONMENTAL

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

DIMENSIONS, WEIGHT & MOUNTING

Dimensions	22.2 x 24.6 x 8.3 cm (8.75" x 9.8" x 3.25")
Weight	<3.4 kg (7.5 lb.)
Mounting	Tripod mount 1/4-20 base

INTERFACES

Command and Control	RS 232 or 422
Image download	USB (store up to 1000 JPEGs)

STANDARD PACKAGE

Storage/transport case	Hard shell, lockable with fitted foam insert
Adapter/charger	110 VAC/220 VAC power supply (Qty 2)
Batteries	6 each, Lithium D cells, rechargeable
Lens cleaning kit	Complete cleaning kit in nylon pouch
Cables	Video cable, 3 m with BNC connectors, USB cable, BA-5590 cable, DVI cable
Battery Charger	110 VAC/220 VAC input
Operator's manual	

OPTIONS

Laser pointer	830 nm Class 3B 30 mW or 150 mW
Soft case	Lightweight with padded zippered compartments
Extender	2.5x Optical extender

STACE™
Digital Image Enhancement

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Extraordinary Vision