

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

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STACE[™]
Digital Image Enhancement

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Extraordinary Vision