

MilCAM 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 options
- 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 MilCAM 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	<3.0 kg (6.5 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	6 each, Lithium D cells, rechargeable
Lens cleaning kit	Complete cleaning kit in nylon pouch
Cables	Video cable, 3 m with BNC connectors
Battery Charger	110 VAC/220 VAC input
Operator's manual	

OPTIONS

Laser pointer	830nm Class 3B 30mW
Soft case	Lightweight with padded zippered compartments

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STACE™
Digital Image Enhancement

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