

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
- Runs for over 4 hours on D cell Lithium batteries
- 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
- Get long run times on commercially available batteries
- 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
Wide FOV 45 mm	15.0° h x 11.3° v
Medium FOV 55 mm	10.0° h x 8.0° v
Narrow FOV 220 mm	2.5° h x 1.8° v
E-zoom	2x, 4x
Spectral band	3-5, 8-12 μm
Automatic features	Auto focus, AGC, Digital Detail Enhancement (DDE)

OUTPUT

Video	NTSC/PAL video, S video, optional DVI
Connector types	BNC, S Video

POWER

Power requirements	7 VDC/ 5.5 W (9 V to 32 VDC external)
Battery type and life	4.5 hours continuous (D cell Lithium)

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	<2.8 kg (6.2 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
Lens cleaning kit	Complete cleaning kit in nylon pouch
Owners Manual	Covers operation and operator-level maintenance
Cables	Video cable, 3 m with BNC connectors

OPTIONS

Laser pointer	830nm Class 3B 30mW
Laser pointer	830nm Class 3B 150mW
Soft case	Lightweight with padded zippered compartments

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