

Recon[®] III EO

DUAL CHANNEL DAY/NIGHT THERMAL
BINOCULAR WITH GEO LOCATION



APPLICATIONS

RECONNAISSANCE
SURVEILLANCE
OPERATOR GEO-LOCATION
TARGET GEO-LOCATION
SITUATIONAL AWARENESS
BATTLE DAMAGE ASSESSMENT
FORCE PROTECTION

FEATURES

High resolution, large format
640 x 480 midwave InSb sensor

Low light-level visible CCD video
day channel

Fast 2 field-of-view system with
10 and 2.5 degree fields of view
and digital zoom

Internal Global Positioning
System (GPS), Digital Magnetic
Compass (DMC) and modular
Laser Rangefinder (LRF)

Laser pointer options

Flexible remote control, power,
and video options

Lightweight and rugged,
Mil STD 810-F qualified

Split screen display

It's all FLIR inside

BENEFITS

Delivers unmatched range performance and image quality
with built-in STACE™ technology that digitally sharpens,
tunes and enhances contrast for exceptional image detail

Day/night operation, view laser pointer on target

Perfectly matched zoom settings for the short, medium,
and long range reconnaissance mission

Provides geo-location of targets with eye safe
laser rangefinder

Offer additional tactical advantage when coupled with
night vision equipment

Can be configured for tripod use with full remote control
for continuous operation with video output

Reduces operator fatigue for long duration missions
without sacrificing field hardening

Offers mission flexibility and customization based on
your requirements

FLIR controls the entire supply chain on the critical
technology inside Recon systems, ensuring fast service
and long term support



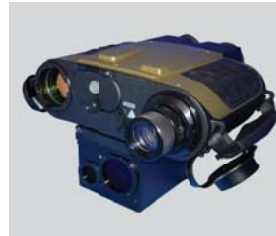
Laser Range Finder included



High sensitivity thermal imagery



Long range optics aid in identification



Laser Range Finder included

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Recon[®] III EO

THERMAL IMAGING PERFORMANCE

Sensor type	640 x 480 InSb
Number of fields of view	2
Wide 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
Automatic features	Auto focus, AGC, Digital Detail Enhancement (DDE)

EO IMAGING PERFORMANCE

Sensor type	1/4" LL CCD B&W (Color optional)
Pixel format	794 x 494 pixels
Digital zoom	Continuous to 4x
Sensitivity	ultra-low light
Wide FOV	10.0° h x 8.0°
Narrow FOV	2.5° h x 1.8° v

SYSTEM FEATURES

Global Positioning System (GPS)	C/A code (supports military GPS plug-in)
Digital Magnetic Compass	0.3° accuracy
Eyesafe Laser Rangefinder (LRF)	Detachable, 1.54 μm, > 5 km
Laser Pointer (LP)	830 nm, 200 mW, Class 3B

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/ 16 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 24.9 x 8.3 cm (8.75" x 9.8" x 3.25")
Weight	< 4.7 kg (10.3 lb.)
Mounting	Tripod mount 1/4-20 base

INTERFACES

Command and Control	RS 232/422
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
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/220VAC input
Operator's manual	

OPTIONS

Laser pointer	830 nm Class 3B 30 mW, 150 mW (includes diffuser)
Soft case	Lightweight with padded zippered compartments
Extender	2.5x Optical extender

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FLIR[®]
Extraordinary Vision