



TRIJICON IR-PATROL™

THERMAL MONOCULAR

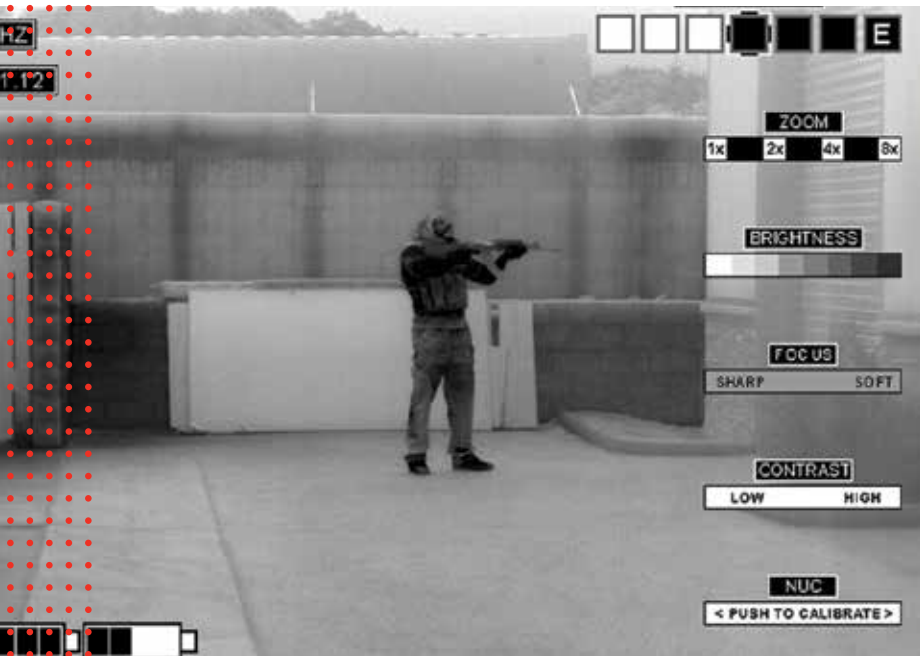
The Multipurpose, High-Performance
Thermal Imaging Monocular



Electro Optics Division

IDENTIFY. OBSERVE. ENGAGE.

Whether your mission is searching for a suspect or securing your position, the Trijicon IR-PATROL™ is the ideal multipurpose thermal imaging monocular. It's compact, lightweight, rugged and offers some of the most advanced performance options on the market—such as the MicroIR™ 640x480 resolution sensor featuring 12 micron technology and a 640x480 digital OLED Display—for a clear, sharp image. Choose from handheld, image capture, helmet-mounted or weapon-mounted IR-PATROL systems.



- > **IR-PATROL™ M250**
Helmet-Mounted Model
 - 60 Hz Frame-Rate System
 - MaxPol/E-Zoom/DFC
 - Image Capture
 - EDGE DETECT Mode
 - Wilcox Shoe Interface*

*Wilcox Bridge Mount included in M250-K Kit

- > **IR-PATROL™ M300W**
Rifle-Mounted Model
 - 60 Hz Frame-Rate System
 - MaxPol/E-Zoom/DFC
 - Image Capture with Download Cable
 - EDGE DETECT Mode
 - CLIP-ON Mode Included
 - Optional Wilcox Side Flip Mount

- > **IR-PATROL™ M250XR**
Extended Range Thermal Monocular
 - 60 Hz Frame-Rate System
 - 60 mm f/1.25 Objective Lens
 - White Hot/Black Hot Polarity Levels
 - 4.5x Optical Zoom/8x Digital Zoom
 - Stadiametric Rangefinder

> Patrol with Complete Confidence

IR-PATROL™ LE100 Handheld Model

- Advanced Thumbstick Controller
- 30 Hz Frame-Rate System
- 19 mm Objective Lens
- MaxPol
- E-Zoom
- DFC Digital Focus

IR-PATROL™ LE100C Handheld Model with Image Capture

- Advanced Thumbstick Controller
- 30 Hz Frame-Rate System
- 19 mm Objective Lens
- MaxPol
- E-Zoom
- DFC Digital Focus
- Image Capture Feature
 - > Includes Download Cable
 - > Includes Download PC Software



Helmet not included.

SPECIFICATIONS

SENSOR TYPE

Uncooled VOx (Vanadium Oxide)

THERMAL SENSITIVITY

<50mk

SENSOR RESOLUTION

640x480 Pixels

SENSOR PITCH

12 Micron

FRAME RATE

60 Hz M250/M300W
30 Hz LE100/LE100C

SPECTRAL RESPONSE

8 – 12 Microns

DISPLAY TYPE

Monochrome Digital OLED

DISPLAY RESOLUTION

640x480 Pixels

BASIC FEATURES

E-Zoom, Polarity, DFC

ADVANCED FEATURES

DCE – Digital Contrast Enhancement
Edge Detection Mode

START-UP TIME

Approx. 5 Seconds

VIDEO OUTPUT

Analog RS-170 (with Optional Cable)

BATTERY TYPE

1 x CR123 3 volt
2 x with adapter

BATTERY LIFE

1.5 Hours @ 60 Hz – 1 batt.
2 Hours @ 30 Hz – 1 batt.
3.5 Hours @ 60 Hz – 2 batt.
5 Hours @ 30 Hz – 2 batt.

HELMET MOUNT

Used with Model M250 and M300W
Part No. IRDMNT-9974

WEAPON MOUNT

Used with Model M300W
Part No. IRDMNT-9971

WEIGHT

LE100/LE100C/M250/M300W: 16 oz (454g)
M250XR: 27.2 oz (771g)

DIMENSIONS

LE100/LE100C: 5.95" L x 2.0" H x 2.95" W
M250XR: 7.8" L x 2.9" H x 3.2" W

DIOPTER

-6/+2

EYE RELIEF

27mm

ENVIRONMENTAL

-40c to +55c Operating
-45c to +75c Storage

MODELS

MODEL	FRAME RATE	POLARITY/ZOOM	IMAGE CAPTURE	EDGE DETECT	VIDEO OUT	RETICLE FEATURE
IRMO-100	30 Hz	x				
IRMO-100C	30 Hz	x	x			
IRMO-250	60 Hz	x	x	x	x	
IRMO-250XR	60 Hz	x	x	x	x	
IRMO-300	60 Hz	x	x	x	x	x

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EXPORT
WARNING

Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State, Directorate of Defense Trade Controls as proscribed in the International Traffic in Arms Regulations (ITAR), Title 22 Code of Federal Regulation, Parts 120–130