



**TRIJICON**  
**IR-PATROL™**

**THERMAL MONOCULAR**

The Multipurpose, High-Performance  
Thermal Imaging Monocular

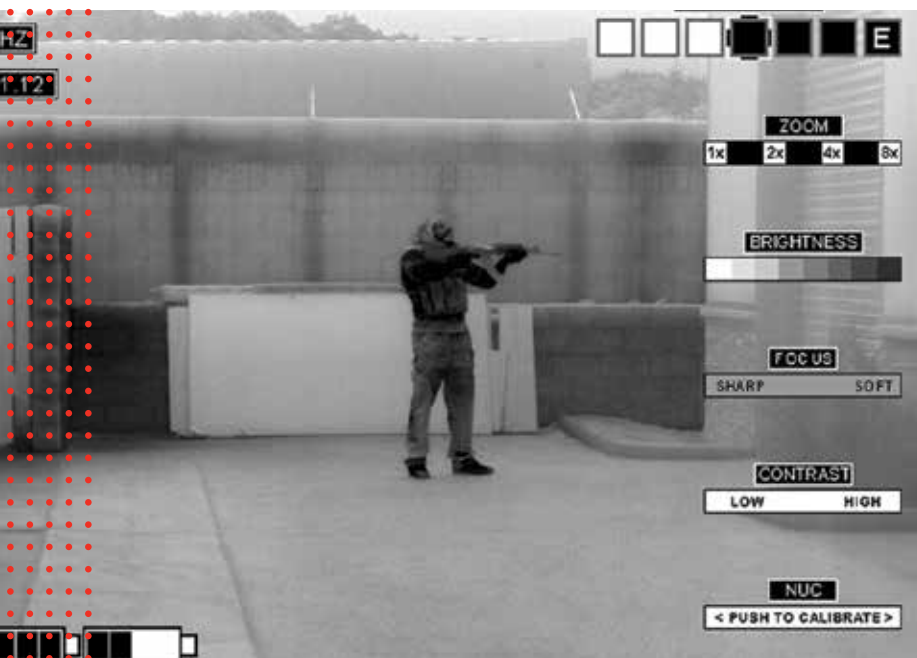


Electro Optics Division



# 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.



## > 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

### > 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



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

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