





Whether your mission is searching for a suspect or securing your position, the Trijicon IR-PATROL® is the ideal multi-purpose thermal imaging monocular. It's compact, lightweight and rugged; offering some of the most advanced performance options on the market for a clear, sharp image. Choose from handheld, helmet-mounted or rifle-mounted IR-PATROL systems.

Superior Image Quality

- 640x480 resolution 4 times as many pixels as competing 320 systems
- 12 micron pixel pitch smaller footprint than competing 17 micron systems
- 60 Hz Frame rate improved clarity for moving images

Intuitive Controls

• Streamlined thumbstick allows guick navigation of system menu

Rugged, Reliable, American Made

- Designed, constructed and tested to MIL-STD-810G
- · Made in the USA

The Science of Brilliant®

At Trijicon, we are bound by a commitment to industry-leading research, design, and testing to seek innovative aiming solutions that constantly redefine "brilliant." That's why Trijicon products are subjected to the below testing methods.











Alaska-to-Africa Tested | Solid Zero Tested | Drop Tested

Vibration Tested | Immersion Tested

Visit Trijicon.com/Science to learn more.

Specifications /









System	LE100	LE100C	M250XR	M250
Application	Handheld / Tripod Mounted	Handheld / Tripod Mounted	Handheld / Tripod Mounted	Handheld / Helmet Mounted
Sensor Resolution	640x480	640x480	640x480	640x480
Sensor Micron	12 µm	12 µm	12 µm	12 µm
Sensor Type	VOx Vanadium Oxide	VOx Vanadium Oxide	VOx Vanadium Oxide	VOx Vanadium Oxide
Frame Rate	30 Hz	30 Hz	60 Hz	60 Hz
Display Type	Digital OLED	Digital OLED	Digital OLED	Digital OLED
Thermal Sensitivity	< 50 mK	< 50 mK	< 50 mK	< 50 mK
Spectral Response	8-12 MICRONS	8-12 MICRONS	8-12 MICRONS	8-12 MICRONS
Field of View	22°	22°	7°	22°
Eye Eelief	27mm	27mm	27mm	27mm
Diopter	-6 /+2	-6 /+2	-6 /+2	-6 /+2
Magnification / E-zoom	1x Optical / 8x Digital	1x Optical / 8x Digital	4.5x Optical / 36x Digital	1x Optical / 8x Digital
Objective Lens	19mm f/1.2	19mm f/1.2	60mm f/1.25	19mm f/1.2
Battery Type	CR123 Lithium	CR123 Lithium	CR123 Lithium	CR123 Lithium
Battery Life	Approx. 2 hours / battery			
Environmental	-40°C to +55°C Operating -45°C to +75°C Storage			
Weight	16 oz. / 454g	16 oz. / 454g	27 oz. / 755g	16 oz. / 454g
Dimensions (LxHxW)	5.95 in. x 2.0 in. x 2.95 in.	5.95 in. x 2.0 in. x 2.95 in.	8.0 in. x 3.3 in. x 3.0 in.	5.95 in. x 2.0 in. x 2.95 in.
User Interface	Thumbstick	Thumbstick	Thumbstick	Thumbstick
Mounting Kit	1/4-20 Interface	1/4-20 Interface	1/4-20 Interface	Wilcox® Shoe Interface
Download Cable		✓	✓	
Shoe Interface				✓
Polarity / E-zoom	✓	✓	✓	✓
Edge Detect			✓	✓
Image Capture		✓	✓	✓
Video Out			✓	✓
Reticle Feature				
Configuration Level			✓	✓









M250K	M300	M300K	M300TK
Handheld / Helmet Mounted	Handheld / Helmet Mounted / Rifle	Handheld / Helmet Mounted / Rifle	Handheld / Helmet Mounted / Rifle
640x480	640x480	640x480	640x480
12 μm	12 μm	12 µm	12 µm
VOx Vanadium Oxide	VOx Vanadium Oxide	VOx Vanadium Oxide	VOx Vanadium Oxide
60 Hz	60 Hz	60 Hz	60 Hz
Digital OLED	Digital OLED	Digital OLED	Digital OLED
< 50 mK	< 50 mK	< 50 mK	< 50 mK
8-12 MICRONS	8-12 MICRONS	8-12 MICRONS	8-12 MICRONS
22°	22°	22°	22°
27mm	27mm	27mm	27mm
-6/+2	-6 /+2	-6 /+2	-6 /+2
1x Optical / 8x Digital	1x Optical / 8x Digital	1x Optical / 8x Digital	1x Optical / 8x Digital
19mm f/1.2	19mm f/1.2	19mm f/1.2	19mm f/1.2
CR123 Lithium	CR123 Lithium	CR123 Lithium	CR123 Lithium
Approx. 2 hours / battery	Approx. 2 hours / battery	Approx. 2 hours / battery	Approx. 2 hours / battery
-40°C to +55°C Operating -45°C to +75°C Storage	-40°C to +55°C Operating -45°C to +75°C Storage	-40°C to +55°C Operating -45°C to +75°C Storage	-40°C to +55°C Operating -45°C to +75°C Storage
16 oz. / 454g	16 oz. / 454g	16 oz. / 454g	16 oz. / 454g
5.95 in. x 2.0 in. x 2.95 in.	5.95 in. x 2.0 in. x 2.95 in.	5.95 in. x 2.0 in. x 2.95 in.	5.95 in. x 2.0 in. x 2.95 in.
Thumbstick	Thumbstick	Thumbstick	Thumbstick
Wilcox® Shoe Interface Wilcox® Bridge Assembly	Wilcox® Shoe Interface	Wilcox® Shoe Interface Wilcox® Flip to Side Rifle Mount	Wilcox® Shoe Interface Wilcox® Bridge Assembly Wilcox® Flip to Side Rifle Mount
✓		✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	√
	✓	✓	✓
✓	√	✓	√

Features and Benefits

Manual Focus Knob

Allows easy adjustments for optimal image definition,

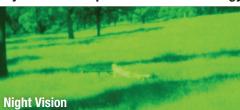
- A Outstanding Image Quality The state-of-the-art 640x480, 12 micron, 60 Hz thermal core provides exceptional clarity in complete darkness
- and user configurable quick select menu enable quick zeroing and intuitive control
- near and far B Easy-to-Use **Versatile Mounting Inferface** The miniature thumbstick, simple menu system, Allows user to use as a handheld, helmet-mounted or rifle-mounted thermal solution.



Image Capabilities









12µm vs. 17µm **Core Technology**





12 micron Triiicon

640x480 vs. 320x240 Resolution



320x240



640x480



Trijicon Electro Optics 12µm, 640x480 @ 60Hz



Trijicon.com/PATROL