Trijicon®
Electro Optics Division

Trijicon REAP-IR®
Thermal Riflescope



The REAP-IR® thermal riflescope is a compact, rugged, powerful thermal optic that enables target acquisition in any light. A newly improved 640x480, 12 micron thermal sensor delivers increased sensitivity for improved image quality and target detection & recognition. The thumbstick control makes nighttime operation easy, even while wearing gloves. USB-C connection port can be used to utilize external power source to extend run time. Record your hunt to share with family and friends with the integrated Digital Video Recorder with SD Card, or via the USB-C port to an external recorder. Engineered to last and built in the USA

Superior Image Quality
- 640x480 resolution - improved processing delivers higher quality image with greater thermal sensitivity
- 12 micron pixel pitch - smaller footprint than 17 micron systems
- 60 Hz Frame rate - improved clarity for moving images
- Manual focus adjustment (60mm only)

Digital Video Recording
- New integrated DVR records 640x480 MP4 video to SD card, or external recorder can be attached via USB-C

Improved Controls
- Improved digital thumbstick provides faster system response
- USB-C port allows the use of external power sources

Legendary Trijicon Durability
- 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 | Immersion Tested | Solid Zero Tested
Vibration Tested | Drop Tested

Visit Trijicon.com/Science to learn more.

Features and Benefits

A **Faster System Control**
Enhanced digital thumbstick provides improved system response

B **Expanded Functionality**
USB-C connector allows the use of external battery packs and download of analog and digital video with available adapter with compatible DVRs

C **Premium Image Quality**
Manual focus adjustment (60mm only) for improved image quality at all distances

D **Vertical Battery Compartment Design**
The vertical design creates a slimmer look and is engineered for increased durability and solid battery connection

E **Mounting Versatility**
Quick release mount featuring Trijicon® Q-LOC™ Technology provides multiple mounting locations with the ability to affix the scope rapidly and reliably in the dark

F **Improved Reticle Choices**
User-selectable reticle choices include the classic crosshair, and MRAD, MOA, .223 REM, .308 WIN, and 300BLK BDC

Trijicon REAP-IR®
60mm

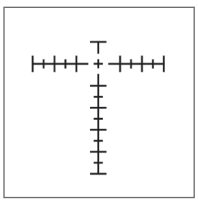


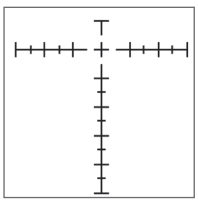
» NEW
DVR Controls

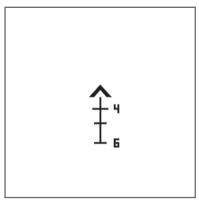


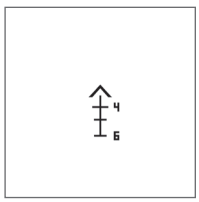
Easy DVR controls start and stop recording on an internal SD card with a single push

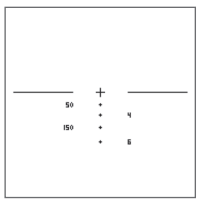
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MRAD Crosshair


MOA Crosshair


.223 BDC


.308 BDC


300BLK BDC

Specifications







System	REAP-24-4	REAP-35-4	REAP-60-4
Sensor Resolution	640x480	640x480	640x480
Sensor Micron	12 µm	12 µm	12 µm
Sensor Type	Vox – Vanadium Oxide	Vox – Vanadium Oxide	Vox – Vanadium Oxide
Frame Rate	30Hz / 60 Hz	30Hz / 60 Hz	30Hz / 60 Hz
Display Type	OLED	OLED	OLED
Thermal Sensitivity	< 40 mK	< 40 mK	< 40 mK
Spectral Response	8-12 µm	8-12 µm	8-12 µm
Field of View	18°	12°	7°
Eye Relief	27mm	27mm	27mm
Diopter	-6 / +2	-6 / +2	-6 / +2
Optical Magnification	1.2x	1.75x	3x
Digital Zoom	1-8x	1-8x	1-8x
Combined Magnification	1.2-9.6x	1.75-14x	3-24x
Objective Lens	24mm f/1.2	35mm f/1.1	60mm f/1.2
Battery Compartment	Top Loading / Vertical	Top Loading / Vertical	Top Loading / Vertical
Battery Type	(2) CR123 and/or External USB	(2) CR123 and/or External USB	(2) CR123 and/or External USB
Battery Life*	Approx. 4 hrs using (2) CR123	Approx. 4 hrs using (2) CR123	Approx. 4 hrs using (2) CR123
Environmental	-25.6°F (-32°C) to 122°F (50°C) Operating -59.8°F (-51°C) to 160°F (71°C) Storage	-25.6°F (-32°C) to 122°F (50°C) Operating -59.8°F (-51°C) to 160°F (71°C) Storage	-25.6°F (-32°C) to 122°F (50°C) Operating -59.8°F (-51°C) to 160°F (71°C) Storage
Submersion	1m / 1 hr	1m / 1 hr	1m / 1 hr
Weight	27.34 oz / 775g	28.18 oz / 799g	38.98 oz / 1105g
Dimensions (LxWxH)**	7.13 in. x 3.1 in. x 2.9 in. (181mm x 79.3mm x 73.1mm)	7.14 in. x 3.1 in. x 2.9 in. (181mm x 79.3mm x 73.1mm)	8.45 in. x 3.1 in. x 2.9 in. (215mm x 79.3mm x 73.1mm)
User Interface	Joystick	Joystick	Joystick
Mounting Kit	Q-LOC Picatinny Rail Mount	Q-LOC Picatinny Rail Mount	Q-LOC Picatinny Rail Mount
Easy Zero	Y	Y	Y
Image Capture and SD Card Recording	Y	Y	Y

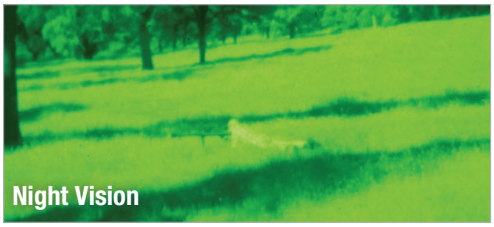
** NOTE: Prolonged video recording may reduce total battery life.*

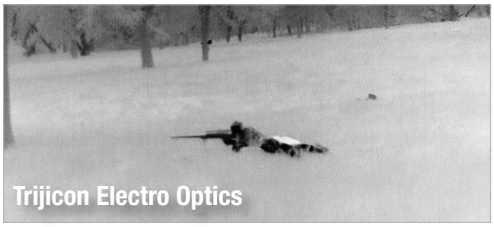
*** Length does not include flip caps, width does not include mount knob, height from top of rail*

Trijicon®
Electro Optics Division

Image Capabilities

Traditional Night Vision vs. Trijicon Electro Optics Thermal Technology





320x240 vs. 640x480 Resolution



320x240



640x480
Trijicon



Trijicon Electro Optics
12µm, 640x480 @ 60Hz

Field of View

Subject shown 100m from thermal optic at 1x digital magnification.



REAP-IR 24mm



REAP-IR 35mm



REAP-IR 60mm

Advanced Polarity Control



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Electro Optics Division

Trijicon.com/REAP

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