

RATTLER

TS35-640/TS50-640

THERMAL IMAGING RIFLESCOPE



The Rattler thermal scope series are compact designs developed for 24 hours operation under any weather and environmental conditions. A wide selection of different lenses and thermal detector resolutions allow the customer to select the ideal instrument for tasks at different distances.

The Rattler TS35-640 and Rattler TS50-640 scopes use a high-sensitivity 12 μ m thermal detector with 640x512 resolution and 1024x768 OLED monitor, which provides a clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc.

Powered with two CR123 batteries the AGM Rattler TS provides up to 4.5 hours of continuous operation. An external 5V power bank (battery pack) can be easily connected via a USB-C connector for a significant increase of operating time. Onboard Wi-Fi module is also available for live video streaming and video/images recording via mobile application.

- 640x512 thermal resolution
- 12 μ m, 35 mK NETD high-sensitivity detector
- Fast 50Hz imaging
- 1024x768 resolution, 0.39-inch OLED display
- 2x (TS35) and 2.5x (TS50) optical magnification
- 1x, 2x, 4x, 8x digital zoom
- Digital image processing technology
- Video recording and snapshot capture,
- Built-in EMMC (16 GB)
- Various reticle types and colors
- Stadiametric rangefinder
- Adjustable color palettes
- Wi-Fi data transmission
- Standby mode
- Waterproof, shockproof
- Up to 4.5 hours continuous working
- External power supply capability
- 5-year warranty



Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

SPECIFICATIONS

	Rattler TS35-640	Rattler TS50-640
Resolution	640 × 512	640 × 512
Detector	12µm Uncooled Microbolometer	12µm Uncooled Microbolometer
Refresh Rate	50 Hz	50 Hz
Lens System	35 mm; F/1.0	50 mm; F/1.0
Magnification	2x - 16x	2.5x - 20x
Field of View	12.5° × 10.0°	8.8° × 7.0°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Detection Range (6' object)	1,750 m/yd	2,500 m/yd
Eye Relief	45 mm	45 mm
Display	0.39-inch, OLED, 1024x768, 50 Hz	0.39-inch, OLED, 1024x768, 50 Hz
Reticle	5 types, 4 colors, on/off	5 types, 4 colors, on/off
Boresight Adjustment	Digital Controlled	Digital Controlled
Boresight Increment	0.21 mil / 0.73 MOA	0.15 mil / 0.52 MOA
Distance Measurement	Yes (Stadiametric Rangefinder)	Yes (Stadiametric Rangefinder)
Palettes	Black Hot, White Hot, Red Hot, Fusion	Black Hot, White Hot, Red Hot, Fusion
Scene Mode	Jungle, Recognition	Jungle, Recognition
Picture In Picture Mode (PIP)	Yes (2x Zoom)	Yes (2x Zoom)
Hotspot	Yes	Yes
Standby Mode	Yes	Yes
Video Recording	Yes	Yes
Picture Snapshot	Yes	Yes
CVBS Output	Yes (via USB)	Yes (via USB)
Defective Pixels Correction (DPC)	Yes	Yes
Uniformity Correction	Auto, Manual, External Correction	Auto, Manual, External Correction
Storage	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)
Battery Type	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries	Two CR123 (3V) Lithium or two RCR123 (up to 4.2V) Rechargeable Batteries
Battery Life (Operating, 20°C)	Up to 4.5 hr	Up to 4.5 hr
External Power Supply	5 VDC/2 A, USB Type-C interface	5 VDC/2 A, USB Type-C interface
Operating Temperature Range	-20°C to +55°C (-4°F to +131°F)	-20°C to +55°C (-4°F to +131°F)
Degree of Protection	IP67	IP67
Drop Test Height	1.5m (4.9 feet)	1.5m (4.9 feet)
Weight (w/o battery)	480 g (1.06 lb)	487 g (1.07 lb)
Dimensions	187 × 62 × 59 mm (7.4 × 2.5 × 2.3 in)	200 × 78 × 66 mm (7.9 × 3.1 × 2.6 in)
Package Includes	Thermal Imaging Rifle Scope, Mount, USB Cable, Lens Cloth, Manual	Thermal Imaging Rifle Scope, Mount, USB Cable, Lens Cloth, Manual

Specifications are subject to change without notice.



MAIN OFFICE | 173 West Main Street | PO Box 962 | Springerville, AZ 85938, USA
Tel. +1.928.333.4300 | info@agmglobalvision.com | www.agmglobalvision.com

EUROPEAN OFFICE | #6 Andrey Lyapchev Blvd | Sofia, P.C. 1756 | Bulgaria
Tel. +35.988.560.0326 | info@agmglobalvision.eu | www.agmglobalvision.eu

www.agmglobalvision.com