

# CLARION

## DUAL FOCUS THERMAL SCOPE

The NEW Clarion dual base magnification thermal scope is one of the most technologically advanced thermal scopes in the world. The new Clarion scopes were meticulously designed to solve one of the biggest problems many night hunters face, which is in selecting which lens size/sensor configuration will provide the optical base magnification and field of view for each hunter's primary application.

The Clarions alleviate this concern by incorporating a dual lens optical system that has the ability to mechanically alternate between two different internal lens sizes, which alter the base magnification and field of view with no degradation of the image resolution! This optical magnification flexibility is a new evolution in electro optics and it will provide hunters with versatility to optimize their optic for the specific geography and animals which they are hunting. Also, AGM paired this new design with the most sensitive thermal sensor temperature rating in its class, coming it at a mind-bending sub-20 mK.

Although the Clarion implements an advanced new optical system, they didn't cut any corners with any of the design elements that hunters have come to expect from the AGM brand, including: high-quality 640x512 or 384x288 12-micron thermal sensor, removable rechargeable battery, up to 11 hours of continuous battery life on a single charge (2 batteries included), 10 internal reticle options, 5 different customizable zeroing profiles, 10 different brightness and contrast settings, wifi hotspot capability, built-in recording w/sound and image capture storage, AGM Connect app compatibility, 4 different reticle colors, 4 color palettes, 5 image sharpness settings and a high-quality American Defense mount which work well with both AR and bolt-action shooting platforms.

- Dual focus objective lens
- 12 $\mu$ m thermal detector
- Superior sub-20 mK thermal sensitivity
- Fast 50Hz imaging
- High resolution OLED display
- Adjustable color palettes
- Various reticle types and colors
- 1x, 2x, 4x, 8x digital zoom
- On-board video/audio recording and image capture
- Built-in EMMC storage (16 GB)
- Shot Activated Recording (SAR)
- Wi-Fi data transmission
- Stadiametric rangefinder
- Standby mode
- 8.5 - 11 hours battery life (depending on model)
- External power supply compatibility
- Waterproof & shockproof
- 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

	Clarion 384	Clarion 640
Image Sensor	12µm VOx Uncooled Focal Plane Array	12µm VOx Uncooled Focal Plane Array
Resolution	384 x 288	640 x 512
Refresh Rate	50 Hz	50 Hz
NETD	Less than 20 mK (25°C, F# = 1.0)	Less than 20 mK (25°C, F# = 1.0)
Detection Range (6' object)	1200 m/yd / 2600 m/yd	1800 m/yd / 3000 m/yd
Lens System	25 mm; F/0.8 / 50 mm; F/1.0	35 mm; F/0.9 / 60 mm; F/1.1
Magnification	2x - 16x / 4.5x - 36x	2x - 16x / 3x - 24x
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Field of View	10.5° x 7.9° / 5.3° x 4.0°	12.5° x 10.0° / 7.3° x 5.9°
Exit Pupil	6 mm	6 mm
Eye Relief	45 mm	45 mm
Diopter Adjustment	-5D to +5D	-5D to +5D
Minimum Focusing Distance	4 m to infinity / 10 m to infinity	7 m to infinity / 10 m to infinity
Display	0.39-inch, OLED, 1024x768	0.39-inch, OLED, 1024x768
Picture-in-Picture (PiP)	Yes	Yes
Hot Tracking	Yes	Yes
Palettes	Black hot, White hot, Red hot, Fusion	Black hot, White hot, Red hot, Fusion
Scene Modes	Cold, Warm	Cold, Warm
Flat Field Correction (FFC)	Auto, Manual, External Correction	Auto, Manual, External Correction
Defective Pixels Correction (DPC)	Yes	Yes
Distance Measurement	Yes (Stadiametric)	Yes (Stadiametric)
Reticle	10 types, 4 colors, on/off	10 types, 4 colors, on/off
Boresight Adjustment	Digital Controlled	Digital Controlled
WiFi Hotspot	Yes	Yes
Video/Audio Recording	Yes/Yes	Yes/Yes
Image Capture	Yes	Yes
Shot Activated Recording (SAR)	Yes	Yes
Storage	Built-in EMMC (16 GB)	Built-in EMMC (16 GB)
Standby Mode	Yes	Yes
Battery Type	One replaceable rechargeable NE-4400 Li-Ion battery (two NE-4400 batteries included)	One replaceable rechargeable NE-4400 Li-Ion battery (two NE-4400 batteries included)
Battery Life (operating)	≥11 h (25°C, hotspot off)	≥ 8.5 h (25°C, hotspot off)
External Power Supply	5 VDC, 2 A, USB Type-C	5 VDC, 2 A, USB Type-C
Operating Temperature	-30°C to +55°C (-22°F to 131°F)	-30°C to +55°C (-22°F to 131°F)
Max. Recoil	1000 g/0.4 ms	1000 g/0.4 ms
Protection Level	IP67	IP67
Dimensions (w/o mount)	241 x 73 x 67 mm (9.5 x 2.9 x 2.6 in)	254 x 80 x 68 mm (10.0 x 3.1 x 2.7 in)
Weight (w/o mount and battery)	0.75 kg (1.65 lb)	0.84 kg (1.85 lb)

**Package Includes:** Thermal Imaging Rifle Scope, Mount, Two NE-4400 Batteries, Power Adapter, Type-C USB Cable, NE-4400 Battery Charger, Lens Tissue, Quick Start Guide, User Manual, Carrying Case.

\* Specifications are subject to change without notice. Images are for illustration purposes only.



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