



2024 PRODUCT CATALOG



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## EXPORT INFORMATION

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.

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# ABOUT AGM GLOBAL VISION

Based in Springerville Arizona, USA – AGM Global Vision designs, develops, and distributes a wide range of professional-grade night vision and thermal devices including rifle scopes, clip-on systems, binoculars, monoculars, goggles, multispectral lasers, infrared illumination devices, and more.

AGM was originally founded in Springerville, Arizona in 2019. Now being run by both Gary and Mark Tarakanov, their combined industry experience has quickly allowed AGM to grow into one of the largest and most recognized electro optics, thermal imaging and night vision brands in the United States. Through a combination of decades of combined product development expertise, leveraging long-established wholesale relationships and strategic hiring, AGM has rapidly expanded to a level that has allowed them to open additional office and warehousing locations in Grand Prairie, Texas and Miami, Florida.

AGM's entire brand development strategy is based, in one fashion or another, on a commitment to gaining their customer's trust through continuous improvement and customer service. This entails leveraging not only the latest advancements in optical technology for both commercial and non-commercial uses, but also ensuring that our customer's are satisfied enough to where they make AGM products foundational to their outdoors, hunting and tactical needs. With your help, AGM will continue to evolve and expand on its production, distribution and service channels in the months and years to come.



**NEW FOR 2024**



## RATTLER V<sup>2</sup>

THERMAL RIFLE SCOPE

**NEW  
2024**



- Superior sub-20 milikelvin thermal sensitivity
- 256×192, 384×288 or 640×512 resolution with 12µm sensor
- Shot Activated Recording (SAR)
- Up to 11.5 hours battery life

FOR MORE DETAILS, SEE PAGE 7

## CLARION

THERMAL RIFLE SCOPE

**NEW  
2024**



- Dual focus objective lens
- Superior sub-20 milikelvin thermal sensitivity
- Multiple base magnification options in one device
- Up to 11 hours battery life

FOR MORE DETAILS, SEE PAGE 9

## VARMINT V<sup>2</sup> LRF

THERMAL RIFLE SCOPE

**NEW  
2024**



- Built-in 600m laser rangefinder
- Superior sub-20 milikelvin thermal sensitivity
- Expanded reticle, brightness and contrast image settings
- Wi-Fi data transmission

FOR MORE DETAILS, SEE PAGE 10

## SECUTOR LRF

THERMAL RIFLE SCOPE

**NEW  
2024**



- Built-in 1000m laser rangefinder
- Superior sub-20 milikelvin thermal sensitivity
- 35mm, 50mm, and 75mm lens options
- More than 6 hours battery life

FOR MORE DETAILS, SEE PAGE 11

## RATTLER-C V<sup>2</sup>

THERMAL CLIP-ON

**NEW  
2024**



- Superior sub-20 milikelvin thermal sensitivity
- 384×288 or 640×512 resolution with 12µm sensor
- Shot Activated Recording (SAR)
- Up to 11 hours battery life

FOR MORE DETAILS, SEE PAGE 18

## SECUTOR LRF-C

THERMAL CLIP-ON

**NEW  
2024**



- Built-in 1000m laser rangefinder
- Superior sub-20 milikelvin thermal sensitivity
- 50mm or 75mm lens
- More than 6 hours battery life

FOR MORE DETAILS, SEE PAGE 20

## NEITH LRF DS

DIGITAL RIFLE SCOPE

**NEW  
2024**



- Built-in 1000m laser rangefinder
- 2560×1440 ultra-low light sensor
- Supports Day/Night mode
- Built in IR Illuminator
- 64 GB built-in EMMC memory

FOR MORE DETAILS, SEE PAGE 28

## NEITH LRF DC

DIGITAL CLIP-ON

**NEW  
2024**



- Built-in 1000m laser rangefinder
- 2560×1440 ultra-low light sensor
- Supports Day/Night mode
- Built in IR Illuminator
- 64 GB built-in EMMC memory

FOR MORE DETAILS, SEE PAGE 30

A collection of tactical gear is displayed on a dark surface. The central focus is a rifle equipped with a Zeus thermal scope and a flashlight. The rifle has 'SUL STRATEGIC' and 'ZEUS' branding. To the left is a handgun with a knife tucked into its grip. Above the rifle is a handheld device with a keypad. To the right is a brown holster with a black mounting bracket. A tan glove is visible in the top left corner.

## THERMAL IMAGING

- RIFLE SCOPES
- HANDHELDS
- CLIP-ONS

# RATTLER V<sup>2</sup>

## THERMAL IMAGING RIFLE SCOPE

The NEW RattlerV<sup>2</sup> is one of the most highly-anticipated new product releases of the year. Improving on what is already considered the best-selling thermal riflescope product family in the United States, the RattlerV<sup>2</sup> brings many of the most sought after design improvements into one sleek new housing. These improvements include, but are not limited to: dramatically expanded battery life offered through the unit's proprietary removable and rechargeable battery system, which will afford users up to 11 hours on a single charge (2 included), an expanded built-in reticle assortment, expanded brightness and contrast settings, shot activated recording with sound and new thermal sensors that have the highest rated sensitivity rating (sub-20 mk) on the market (640 and 384 models only). For a product family which was already boasted one of the best value propositions in the market, the NEW RattlerV<sup>2</sup>'s will only expand on that reputation in 2024 and beyond.

- 256×192, 384×288 or 640×512 resolution with 12µm sensor
- High thermal sensitivity, NETD < 20mK (384 and 640 models)
- 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
- Up to 11.5 hours battery life
- External power supply compatibility
- Waterproof & shockproof
- 3-year (256 models) or 5-year (384 and 640 models) warranty



# RATTLER TS

## THERMAL IMAGING RIFLE SCOPE

The Rattler TS25-384 and Rattler TS35-640 are the perfect addition to any hunter's arsenal. This models combine a 25mm Germanium lens with an upgraded 384x288 resolution thermal sensor or 35mm lens with 640x512 12-micron sensor and a 1024x768 OLED display, which together provide a detection range of 880 and 1750 yards, respectively. 1.5X and 2X base magnification for these units places right in the sweet spot in terms of flexibility for both hog and predator hunters. The Rattler series were specifically designed to be compact and lightweight and can be used on a variety of shooting platforms, as well as a thermal monocular.

This unit also comes packed with all the features that many Rattler users have come to expect, which include: built-in recording and picture capture capabilities, Wi-Fi hotspot, 8x digital zoom, picture-in-picture, AGM Connect app compatibility for storing and sharing images and videos, one-shot digital zeroing process, 4.5 hours of battery life, external power capability through the unit's USB-C plug and a high-quality mount.

- High-sensitivity detector
- Lightweight and compact design
- Electronic zero correction
- Automatic or manual (silent) calibration
- High-resolution 1024x768 OLED display
- Waterproof and shockproof
- 1x, 2x, 4x and 8x digital zoom
- Picture-in-Picture mode
- Stadiametric rangefinder
- Video recording and image capture
- Built-in 16 GB EMMC memory module
- Wi-Fi data transmission
- Powered by two standard CR123A batteries
- Up to 4.5 hours continuous working
- External power supply capability
- Video output for external monitor or recorder
- 5-year warranty





# CLARION

## DUAL FOCUS THERMAL SCOPE

The NEW Clarion dual focus 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. Clarion scopes alleviate this concern by providing a dual focusing 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! The Clarion scopes will offer unparalleled flexibility in terms of optical base magnifications, which may change based on the type of animal hunted, or the type of geography in which is being hunted at that time. Also, AGM paired this new design with the most sensitive temperature rating in its class, coming in at a mind-bending sub-20 millikelvin.

Although the Clarion offers complete new technology, 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 and image capture storage, AGM Connect app compatibility, 4 different reticle colors, 4 color palettes, 5 image sharpness settings and a high-quality mount which work well with both AR and bolt-action shooting platforms.

- Dual focus objective lens
- 12 $\mu$ m thermal detector, NETD < 20mK
- Fast 50Hz imaging
- Various reticle types and colors
- 1x, 2x, 4x, 8x digital zoom
- On-board video/audio recording and image capture
- Shot Activated Recording (SAR)
- Wi-Fi data transmission
- Stadiametric rangefinder
- 8.5 - 11 hours battery life (depending on model)
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



# VARMINT V<sup>2</sup> LRF

## THERMAL IMAGING RIFLE SCOPE

The VarmintV<sup>2</sup> LRF series of thermal riflescopes from AGM utilize many of the features that shooters have come to know and love in the ever-popular Rattler product family, but with one big addition: a 600-meter integrated laser rangefinder. This feature helps alleviate a common issue many shooters find themselves experiencing when hunting with any sort of digital optic, and that is the lack of depth perception that is inherent in optics utilizing a digital screen. The VarmintV<sup>2</sup> pairs that LRF functionality with a 12 micron sub-20 milikelvin thermal detector, which works in conjunction with a high quality 1024x768 OLED display. The VarmintV<sup>2</sup> LRF scopes are powered by a single, non-proprietary, 18650 rechargeable battery, which provides users with 4.5 hours of continuous use in the field.

The compact design of the VarmintV<sup>2</sup> LRF even allows some dual-use functionality as a handheld monocular as well, which helps in surveying your surroundings. This transition is made extremely easy because every Varmint LRF comes equipped with a high-quality American-made American Defense Manufacturing quick detach mount. Pairing all these physical aspects with built-in recording, Wi-Fi compatibility through the AGM Connect app, external power options through the mini USB port, multiple reticle options, various color palettes, and 16GB of internal storage capacity, make the Varmint LRF one of the most functionally diverse products in the AGM family.

- 12µm high-sensitivity thermal detector, NETD < 20mK
- Fast 50 Hz imaging
- 1x, 2x, 4x, 8x Digital zoom
- Adjustable color palettes
- Built-in precision eye-safe laser rangefinder
- High resolution OLED display
- Various reticle types and colors
- Picture-in-Picture mode
- On-board video recording and image capture
- Built-in EMMC storage (16 GB)
- Wi-Fi data transmission
- Standby mode
- Up to 4.5 hours continuous runtime
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



# SECUTOR LRF

## THERMAL IMAGING RIFLE SCOPE

The NEW Secutor LRF's were built to expand and diversify the line of rangefinder equipped thermal riflescopes in the AGM assortment. Though the Secutor LRF series will utilize the same upgraded thermal sensors that can be found across the majority of AGM's new products, the three primary differences include an upgraded 1000m laser rangefinder, a digital compass and utilization of a CR123A based power system. These differences, while primarily aimed at more non-commercial tactical applications, still offer both extended ranging and battery familiarity to commercial predator hunters as well. The extended range of the LRF, when paired with the non-proprietary CR123A power system, helps make the Secutor LRF's a great option for different law enforcement and defense applications. Meanwhile, the integrated compass gives shooters an added layer of situational and positional awareness. The newly introduced sub-20 millikelvin thermal sensors will aid users in these tactical scenarios by increasing their ranging capabilities, as well as increase their ability to both detect and identify targets at longer distances. With both 50 and 75mm options, the Secutor LRF's provide more authenticity than ever to the phrase: long range.

- 12 $\mu$ m thermal detector
- High thermal sensitivity, NETD < 20mK
- Fast 50Hz imaging
- Built-in laser rangefinder
- Adjustable color palettes
- High resolution OLED display
- 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)
- Wi-Fi data transmission
- Standby mode
- More than 6 hours battery life
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



# ADDER

## THERMAL IMAGING RIFLE SCOPE

The AGM Adder Thermal Riflescopes pack all the technology and advanced electronics into the historically familiar 30mm tube riflescope housing. The Adder pairs a 35mm or 50mm Germanium lens with an upgraded sub-35mK thermal detector and a 1024x768 OLED display, to provide one of the best images AGM has produced to date. Unlike smaller lenses with larger microns, AGM 12 micron sensors allows predator hunters to start at a higher base magnification, which eliminates the inevitable degradation of the resolution that is required for low base magnification units. Other enhancements include an impressive 15 hours of battery life on two internal 18650 rechargeable batteries, 5 internal reticle options, and shot-activated video recording, which, when enabled, ensure that hunters forgetting to press the record button is a thing of the past!

The entire Adder product family also comes with a high-quality, one-piece, 30mm quick-detach mount from American Defense Manufacturing. These mounts allow for sliding the scope both forward and backwards to provide optimal eye relief for shooters using a wide array of different shooting platforms. Other features include, but aren't limited to: 50 Hz refresh rate, IP67 waterproof rating, external power capability, 64GB of on-board memory, 5 different reticle options, Wi-Fi and AGM Connect app compatibility, multiple color palettes, audio recording, emergency CR123 battery power, and of course AGM's 5 Year Transferable Warranty.

- 384×288 or 640×512 thermal resolution
- 12µm high-sensitivity detector
- Fast 50 Hz imaging
- High-resolution OLED display
- 1x, 2x, 4x, 8x digital zoom
- On-board video and audio recording
- Shot Activated Recording (SAR)
- Wi-Fi data transmission
- Fast 64GB EMMC built-in storage
- Various reticle types and colors
- Standby mode
- Waterproof & Shockproof
- Dual power system
- Up to 15 hours continuous working
- 5-year warranty



# SIDEWINDER

## THERMAL IMAGING MONOCULAR

The AGM Sidewinder Thermal Monocular series is the newest addition to what is already the most extensive thermal product assortment in the world! The Sidewinder series boasts a wide range of Germanium lens sizes and industry-leading 12 micron, sub-20mk thermal detectors. These physical attributes provide users with some of the best image quality AGM has produced to date with potential detection ranges up to 2600 yards. The Sidewinders also bring many new advancements to the product category which users have been clamoring for. These handheld monoculars come equipped with the most sensitive thermal sensor on the market, providing users with a stunning advancement in image clarity and background detail. Also, this units utilize a removable, non-proprietary 18650 rechargeable battery which powers the unit by offering up to 7 hours of operating time, built-in to a new robust rubber armored housing for added durability and protection.

The Sidewinder also comes packed with numerous software improvements, and many features that have become commonplace within the AGM thermal product assortment: 50Hz refresh rate, 64GB of built-in memory (highest in its class), Wi-Fi compatibility to pair with the AGM Connect App, an IP67 waterproof rating, F1.0 aperture, USB Type-C port for external power capabilities, 4 color palettes and an industry-leading 5 Year Transferable Warranty. The Sidewinders are built for well-rounded use and would work great for hunting, farming/herd protection, building security, law enforcement, search & rescue, boating, camping and other general outdoors activities.

- 12 $\mu$ m, 384x288 or 640x512 resolution detector
- Highest thermal sensitivity (NETD <20mK)
- Advanced image processing
- 50 Hz image frame rate
- 1024x768 resolution OLED display
- Built-in 64GB memory supports video/audio recording and image capture
- Wi-Fi hotspot
- Distance measurement function
- Various color palettes
- 1x, 2x, 4x and 8x digital zoom
- Replaceable and rechargeable Li-Ion battery
- Up to 7 hours continuous running
- 5-year warranty



# TAIPAN

## THERMAL IMAGING MONOCULAR

The AGM Taipan thermal monoculars have become synonymous with two words: Reliability and Simplicity. The Taipan is the great mid-level thermal monoculars for anyone wanting to experience the capabilities of thermal imaging. Equipped with a highly advanced 12 micron 256x192 or 384x288 resolution thermal sensor and high-quality LCOS display, it's a great tool for hunters, campers and general outdoors enthusiasts who want or need to detect the presence of other animals or people in complete darkness. The range of uses include blood-tracking for hunters which aids in game retrieval, enhancing safety and awareness for hikers and camp sites and general nighttime curiosity. The Taipan still comes equipped with many of the most popular software features that experienced thermal users have come desire: up to 8 hours of battery life from an internal rechargeable battery, Wi-Fi hotspot, AGM Connect app compatibility for exporting and sharing images and videos, 8X digital zoom, and 8GB of internal storage with no need for a memory card..

- 12µm high-sensitivity detector
- 256×192 or 384×288 resolution
- Adaptive AGC, DDE, 3D DNR
- High-resolution LCOS display
- Distance measurement function
- The device detects and marks the hot spot of highest temperature
- A wide variety of color palettes
- Built-in memory supports video recording and image capture
- 1x, 2x, 4x and 8x digital zoom
- Picture-in-Picture mode
- Wi-Fi hotspot
- Device can capture images, record videos, and set parameters via APP after being connected to your phone
- Built-in rechargeable Li-Ion battery
- More than 7.5 hours continuous running
- USB-C interface
- 3-year (256 models) or 5-year (384 models) warranty



# StingIR

## THERMAL IMAGING MONOCULAR

The StingIR™ miniature observational thermal monocular is equipped with a 384x288 or 640x480 12µm high-sensitivity infrared detector and a high-resolution OLED display. The StingIR is a full-featured unit, weighing less than 7 ounces/200 grams. The monocular can be helmet mounted for hands-free operations, or used as a standalone handheld device. The StingIR can also be used as a stand-alone thermal scope, or thermal clip-on, making it one of our most versatile offerings.

Other features include a digital compass, inclinometer, up to 8x digital zoom and the ability to be powered by two types of replaceable CR123 or 18650 batteries. The high-sensitivity built-in thermal detector provides you with a clear view in any lighting condition.

- 12µm high-sensitivity detector
- 384x288 or 640x480 resolution
- Head or helmet-mountable for hands-free usage
- Compact, and sturdy design
- High-resolution OLED display
- Multiple thermal image palettes
- Device supports up to 8x digital zoom
- Powered by a single CR123A, RCR123 or 18650 Lithium battery
- Up to 5 hours continuous running
- Digital compass and inclinometer
- Type-C interface
- 5-year warranty



# FUZION LRF

## FUSION THERMAL & OPTICAL DUAL-SPECTRUM MONOCULAR

The Fuzion™ LRF handheld thermal & optical dual-spectrum monocular is equipped with a 12µm high-sensitivity thermal detector, an ultra-low light optical detector, 1024x768 OLED display and eyepiece a wide FOV eyepiece. The monocular offers three different image variants: thermal, visible light, and fusion that can be easily adapted depending on different environmental conditions.

The device can quickly detect hiding objects even under extreme environments such as smoke, fog, rain, snow, etc. This high-tech monocular is equipped with a laser rangefinder for measurement of target distance. It can be widely applied to scenarios including patrol, search-and-rescue, drug enforcement etc. The waterproof housing ensures optimal performance in severe weather conditions and challenging environments.

- Dual-spectrum image fusion and object highlight
- Detail enhancement and target recognition
- Selection of thermal view channel, visible light channel, or both of them combined
- 12 µm high-sensitivity thermal detector
- Fast 50 Hz imaging
- 1x, 2x, 4x, 8x digital zoom
- Digital image processing technology
- Ultra-low illumination optical channel
- 1920x1080 optical resolution
- Built-in precision eye-safe laser rangefinder
- 1024x768 resolution, 0.39-inch OLED display
- Video recording and image capture, built-in EMMC (16 GB)
- Wi-Fi hotspot
- Standby mode
- Up to 5 hours continuous running
- Waterproof
- 5-Year Warranty





# VOYAGE

## FUSION THERMAL & OPTICAL DUAL-SPECTRUM BINOCULARS

The AGM Voyage Fusion Thermal & Digital Day/Night Vision binocular series is some of the most technologically advanced and feature-packed optics in the world. The primary engine behind this binocular lies within the main thermal viewing channel, with its incredible new 12 micron thermal detector. This AGM thermal sensor possesses an industry leading sensitivity rating of sub-20mK (millikelvin). This sensor will ensure that not only are human-sized heat signatures detectable at up to 2.2 miles (3600m), but also that imagery will be crisp and detailed. The Voyage also come outfitted with a digital night vision channel as well, which is great for aiding in recognition of targets after the thermal channel has detected a potential target. The built-in 1000m Laser Rangefinder simply takes the Voyage to another level, and this is without even mentioning its 64GB of internal memory and Wi-Fi compatibility.

The potential uses with the Voyage fusion binoculars seem almost as endless as its features, which include, but are not limited to: high-sensitivity sub-20mK thermal detector, 2560x1440 ultra-low light CMOS sensor, various viewing modes, including fusion imaging and multiple color palettes, 16X digital zoom, picture-in-picture mode, built-in laser rangefinder, GPS module, inclination sensor, up to 8 hours of battery life, USB Type-C port for external power capabilities, IP67 waterproof rating, included hard carrying case and neck strap.



- Dual-spectrum image fusion and object highlight (detail enhancement and target recognition)
- Selection of thermal view channel, visible light channel, or both them combined
- Thermal detector with NETD less than 20 mK
- 2560x1440 ultra-low light optical detector
- 1x, 2x, 4x, 8x, 16x digital zoom
- Video recording and image capture capable to search and review the event on device
- Wi-Fi hotspot
- Eye-safe laser rangefinder
- GPS module, digital magnetic compass and inclinometer
- Proximity sensor to save power
- Up to 8 hours continuous operation
- Waterproof, IP67
- 5-Year Warranty



# RATTLER-C V<sup>2</sup>

## THERMAL IMAGING CLIP-ON

The NEW AGM Rattler-C V2 series of thermal clip-ons boasts a industry-leading 12 micron, sub-20mk thermal detectors. These physical attributes provide users with some of the best image quality AGM has produced to date with potential detection ranges up to 2600 yards. The Rattler-C V2 thermal clip-ons have a high-sensitivity sensor with 384x288 or 640x512 resolutions, which provides a clear image under harsh environment conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc.

The Rattler-C V2 clip-on The Rattler TC can easily be attached in front of day scopes to quickly convert a day optic into a thermal imaging device without any special tools or equipment required. Powered replaceable and rechargeable Li-ion battery the AGM Rattler-C V2 provides up to 11 hours of continuous battery life on a single charge (2 batteries included). 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.

- Quick conversion of daytime optics into thermal imaging scope
- 12µm high-sensitivity thermal detector, NETD < 20mK
- Fast 50Hz imaging
- High resolution OLED display
- Adjustable color palettes
- 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
- 9 - 11.5 hours battery life (depending on model)
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



# RATTLER TC

## THERMAL IMAGING CLIP-ON

AGM Rattler TC is a series of compact thermal imaging clip-on system that allows quick transformation of the day optics into thermal imaging device without any special tools or equipment.

The Rattler clip-on is a perfect addition to any hunter's arsenal. Equipped with a high-sensitivity thermal sensor, this unit provides a clear image under harsh environmental conditions like darkness, fog, smoke, dust, rain, snow, wood, camouflage, etc. The product is mainly applied to scenarios such as patrolling, hunting, overwatch, etc. The Rattler TC can easily be attached in front of day scopes with magnification up to 8x for medium range use.

This unit also comes packed with all the features that many Rattler users have come to expect, which include: built-in recording and picture capture capabilities, Wi-Fi hotspot, AGM Connect app compatibility for storing and sharing images and videos, 16 GB on-board storage, 4.5 hours of battery life on two CR123 batteries, external power capability through the unit's USB-C plug and a high-quality American Defense Manufacturing quick detach mount.

- Quick conversion of daytime optics into thermal imaging scope
- Mounts in front of any daytime scope, no re-zeroing is required
- Lightweight and compact design
- High-sensitivity thermal detector
- Automatic or manual (silent) calibration
- Adjustable color palettes
- Supports distance measurement
- High-resolution OLED display
- Wi-Fi data transmission
- Video recording and image capture
- Built-in 16 GB EMMC memory module
- Waterproof, shockproof
- Powered by two standard CR123A batteries
- Up to 4.5 hours continuous working
- External power supply capability via USB-C interface
- 3-year (256 model) or 5-year (384 and 640 models) warranty



# SECUTOR LRF-C

## THERMAL IMAGING CLIP-ON

The Secutor LRF-C is a compact thermal imaging clip-on system with built-in precision laser rangefinder that allows quick transformation of the day optics into thermal imaging device without any special tools or equipment. Equipped with a highly sensitive, 12 $\mu$ m thermal detector and 1024x768 OLED monitor, the AGM Secutor LRF-C provides a clear image under harsh environmental conditions including darkness, fog, smoke, dust, rain, snow, brush, camouflage, etc. The user-friendly interface, comfortable and ergonomic operating controls makes Secutor LRF-C use incredibly easy. The Secutor LRF-C can easily be attached in front of rifle scopes with magnification up to 10x for medium range use.

The built-in laser range finder of the AGM Secutor LRF-C is designed to determine the exact distance between the observer and the target. Measurement results are displayed in the scopes monitor. Four replaceable Li-Ion battery gives the device more than 6 hours of continuous operation time. An external 5V power bank (battery pack) can be easily connected via a USB to USB-C connector for a significant increase of operating time. The device is equipped with fast EMMC storage for on-board video/audio recording and image capture. Onboard Wi-Fi module allows live video streaming and video/image recording via mobile applications.



- Quick conversion of daytime optics into thermal imaging scope
- 12 $\mu$ m thermal detector
- High sensitivity (NETD less than 20 mK)
- Fast 50Hz imaging
- Built-in laser rangefinder
- Adjustable color palettes
- High resolution OLED display
- On-board video/audio recording and image capture
- Built-in EMMC storage (16 GB)
- Wi-Fi data transmission
- Standby mode
- More than 6 hours battery life
- External power supply compatibility
- Waterproof & shockproof
- 5-year warranty



# SPECIFICATIONS

## THERMAL IMAGING

### THERMAL RIFLE SCOPES

	RattlerV <sup>2</sup> 19-256	RattlerV <sup>2</sup> 25-256	RattlerV <sup>2</sup> 25-384	RattlerV <sup>2</sup> 35-384	RattlerV <sup>2</sup> 35-640	RattlerV <sup>2</sup> 50-640
Detector	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	256x192	256x192	384x288	384x288	640x512	640x512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Detection Range (6' object)	950 m/yd	1,250 m/yd	1200 m/yd	1800 m/yd	1800 m/yd	2600 m/yd
Lens System	19 mm; F/1.0	25 mm; F/1.0	25 mm; F/1.0	35 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	2.5x - 20x	3.5x - 28x	2x - 16x	3x - 24x	2x - 16x	2.5x - 20x
Field of View	9.3° x 6.9°	7.0° x 5.3°	10.5° x 7.9°	7.5° x 5.6°	12.5° x 10.0°	8.8° x 7.0°
Digital Zoom	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Weight	0.48 kg (1.06 lb)	0.49 kg (1.08 lb)	0.49 kg (1.08 lb)	0.51 kg (1.13 lb)	0.51 kg (1.13 lb)	0.53 kg (1.18 lb)
Dimensions	219 x 68 x 67 mm (8.5 x 2.7 x 2.6 in)	219 x 68 x 67 mm (8.5 x 2.7 x 2.6 in)	219 x 68 x 67 mm (8.5 x 2.7 x 2.6 in)	221 x 68 x 67 mm (8.7 x 2.7 x 2.6 in)	221 x 68 x 67 mm (8.7 x 2.7 x 2.6 in)	230 x 73 x 68 mm (9.0 x 2.9 x 2.7 in)

### THERMAL RIFLE SCOPES

	Rattler TS25-384	Rattler TS35-640	Adder TS35-384	Adder TS50-384	Adder TS35-640	Adder TS50-640
Detector	17µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK
Resolution	384x288	640x512	384x288	384x288	640x512	640x512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Detection Range (6' object)	880 m/yd	1,750 m/yd	1,800 m/yd	2,600 m/yd	1,800 m/yd	2,600 m/yd
Lens System	25 mm; F/1.0	35 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	1.5x - 12x	2x - 16x	3x - 24x	4x - 32x	2x - 16x	2.5x - 20x
Field of View	14.9° x 11.2°	12.5° x 10.0°	7.5° x 5.6°	5.2° x 3.9°	12.3° x 9.9°	8.7° x 7.0°
Digital Zoom	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Weight	0.5 kg (1.1 lb)	0.54 kg (1.18 lb)	0.89 kg (1.96 lb)	0.97 kg (2.14 lb)	0.89 kg (1.96 lb)	0.97 kg (2.14 lb)
Dimensions	187 x 63 x 80 mm (7.4 x 2.5 x 3.1 in)	187 x 63 x 80 mm (7.4 x 2.5 x 3.1 in)	407 x 78 x 76 mm (16.0 x 3.1 x 3.0 in)	420 x 78 x 82 mm (16.5 x 3.1 x 3.2 in)	407 x 78 x 76 mm (16.0 x 3.1 x 3.0 in)	420 x 78 x 82 mm (16.5 x 3.1 x 3.2 in)

## DUAL FOV THERMAL RIFLE SCOPES

	Clarion 384	Clarion 640
Detector	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	384x288	640x512
Refresh Rate	50 Hz	50 Hz
Detection Range (6' object)	1200 m/yd / 2600 m/yd	1800 m/yd / 3000 m/yd
Lens System	25 mm; F0.8 / 50 mm; F1.0	35 mm; F0.9 / 60 mm; F1.1
Magnification	2x - 16x / 4.5x - 36x	2x - 16x / 3x - 24x
Field of View	10.5° x 7.9° / 5.3° x 4.0°	12.5° x 10.0° / 7.3° x 5.9°
Digital Zoom	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Weight	0.75 kg (1.65 lb)	0.84 kg (1.85 lb)
Dimensions	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)

## THERMAL SCOPES WITH LASER RANGEFINDER

	Secutor LRF 35-384	Secutor LRF 50-640	Secutor LRF 75-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	384x288	640x512	640x512
Refresh Rate	50Hz	50Hz	50Hz
Detection Range (6' object)	1,800 m/yd	2,600 m/yd	3,200 m/yd
Lens System	35 mm; F/1.0	50 mm; F/1.0	75 mm; F/1.2
Magnification	3x - 24x	2.5x - 20x	4x - 32x
Field of View	7.5° x 5.6°	8.8° x 7.0°	5.9° x 4.7°
Digital Zoom	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Laser Rangefinder	Up to 1000 m, ±4 m	Up to 1000 m, ±4 m	Up to 1000 m, ±4 m
Weight	0.61 kg (1.34 lb)	0.66 kg (1.45 lb)	0.73 kg (1.61 lb)
Dimensions	224 x 102 x 69 mm (8.8 x 4.0 x 2.7 in)	224 x 102 x 69 mm (8.8 x 4.0 x 2.7 in)	250 x 110 x 78 mm (9.8 x 4.3 x 3.1 in)

## THERMAL SCOPES WITH LASER RANGEFINDER

	Varmint V <sup>2</sup> LRF TS35-384	Varmint V <sup>2</sup> LRF TS50-384	Varmint V <sup>2</sup> LRF TS35-640	Varmint V <sup>2</sup> LRF TS50-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	384x288	384x288	640x512	640x512
Refresh Rate	50Hz	50Hz	50Hz	50Hz
Detection Range (6' object)	1,800 m/yd	2,600 m/yd	1,800 m/yd	2,600 m/yd
Lens System	35 mm; F/1.0	50 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	3x - 24x	4x - 32x	2x - 16x	2.5x - 20x
Field of View	7.5° x 5.6°	5.3° x 4.0°	12.5° x 10.0°	8.8° x 7.0°
Digital Zoom	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Laser Rangefinder	Up to 600 m, ±1 m	Up to 600 m, ±1 m	Up to 600 m, ±1 m	Up to 600 m, ±1 m
Weight	0.65 kg (1.44 lb)	0.72 kg (1.59 lb)	0.65 kg (1.44 lb)	0.72 kg (1.59 lb)
Dimensions	200 x 66 x 109 mm (7.8 x 2.6 x 4.3 in)	210 x 74 x 109 mm (8.3 x 2.9 x 4.3 in)	200 x 66 x 109 mm (7.8 x 2.6 x 4.3 in)	210 x 74 x 109 mm (8.3 x 2.9 x 4.3 in)

## THERMAL MONOCULARS

	Sidewinder TM25-384	Sidewinder TM35-384	Sidewinder TM35-640	Sidewinder TM50-640	StingIR-384	StingIR-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<25mK	12µm, NETD<25mK
Resolution	384x288	384x288	640x512	640x512	384x288	640x480
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Detection Range (6' object)	1,250 m/yd	1,800 m/yd	1,800 m/yd	2,600 m/yd	730 m/yd	1,200 m/yd
Lens System	25 mm; F/1.0	35 mm; F/1.0	35 mm; F/1.0	50 mm; F/0.9	16 mm; F/1.3	27 mm; F/1.1
Magnification	2x - 16x	3x - 24x	2x - 16x	2.5x - 20x	1x - 4x	1x - 8x
Field of View	10.5° x 7.9°	7.5° x 5.6°	12.5° x 10°	8.7° x 7°	16.3° x 12.3°	16.3° x 12.3°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x	1x, 2x, 4x, 8x
Weight	0.50 kg (1.1 lb)	0.51 g (1.11 lb)	0.51 g (1.11 lb)	0.64 kg (1.4 lb)	0.20 kg (0.44 lb)	0.22 kg (0.48 lb)
Dimensions	188 x 58 x 65 mm (7.4 x 2.3 x 2.6 in)	188 x 58 x 65 mm (7.4 x 2.3 x 2.6 in)	188 x 58 x 65 mm (7.4 x 2.3 x 2.6 in)	200 x 78 x 68 mm (7.9 x 3.0 x 2.7 in)	90 x 41x 67 mm (5.5 x 1.6 x 2.6 in)	90 x 41x 67 mm (5.5 x 1.6 x 2.6 in)

## THERMAL MONOCULARS

	Taipan TM10-256	Taipan TM15-256	Taipan TM15-384	Taipan TM19-384	Taipan TM25-384
Detector	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK
Resolution	256x192	256x192	384x288	384x288	384x288
Refresh Rate	25 Hz	25 Hz	50 Hz	50 Hz	50 Hz
Detection Range (6' object)	410 m/yd	710 m/yd	710 m/yd	900 m/yd	1,180 m/yd
Lens System	10 mm; F/1.0	15 mm; F/1.0	15 mm; F/1.0	19 mm; F/1.0	25 mm; F/1.0
Magnification	1x - 8x	1.5x - 12x	1.5x - 12x	2x - 16x	2.5x - 20x
Field of View	18.0° x 13.65°	11.7° x 8.8°	17.5° x 13.1°	13.8° x 10.4°	10.5° x 7.9°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP	1x, 2x, 4x, 8x, PIP
Weight	0.26 kg (0.57 lb)	0.28 kg (0.62 lb)	0.29 kg (0.64 lb)	0.31 kg (0.68 lb)	0.30 kg (0.66 lb)
Dimensions	158 x 61 x 57 mm (6.23 x 2.4 x 2.2 in)	158 x 61 x 57 mm (6.23 x 2.4 x 2.2 in)	158 x 61 x 57 mm (6.2 x 2.4 x 2.2 in)	171 x 61 x 57 mm (6.7 x 2.4 x 2.2 in)	171 x 61 x 57 mm (6.7 x 2.4 x 2.2 in)

## FUSION THERMAL & OPTICAL DUAL-SPECTRUM MONOCULARS

	Fuzion LRF TM25-384	Fuzion LRF TM35-384	Fuzion LRF TM35-640	Fuzion LRF TM50-640
Detector	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK
Resolution	384 x 288	384 x 288	640 x 512	640 x 512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz
Detection Range	1,250 m/yd	1,750 m/yd	1,750 m/yd	2,500 m/yd
Lens System	25 mm; F/1.0	35 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	2.5x - 20x	3.5x - 28x	2x - 16x	3x - 24x
Field of View	10.5° x 7.9°	7.5° x 5.7°	12.5° x 10°	8.7° x 7.0°
Digital Zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x
Optical Module	22 mm; F/1.0; 1960x1200@25fps	22 mm; F/1.0; 1960x1200@25fps	22 mm; F/1.0; 1960x1200@25fps	22 mm; F/1.0; 1960x1200@25fps
Laser Rangefinder	Up to 600 m, ±1 m	Up to 600 m, ±1 m	Up to 600 m, ±1 m	Up to 600 m, ±1 m
Weight	0.51 kg (1.12 lb)	0.52 kg (1.15 lb)	0.52 kg (1.15 lb)	0.59 kg (1.3 lb)
Dimensions	161 x 87 x 74 mm (6.3 x 3.4 x 2.9 in)	168 x 87 x 74 mm (6.6 x 3.4 x 2.9 in)	168 x 87 x 74 mm (6.6 x 3.4 x 2.9 in)	180 x 87 x 74 mm (7.1 x 3.4 x 2.9 in)

## FUSION THERMAL & OPTICAL DUAL-SPECTRUM BINOCULARS

	Voyage TB50-384	Voyage TB50-640	Voyage TB75-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	384 x 288	640 x 512	640 x 512
Refresh Rate	25 Hz	25 Hz	25 Hz
Detection Range	2,600 m/yd	2,600 m/yd	3,600 m/yd
Lens System	50 mm; F/0.9	50 mm; F/0.9	75 mm; F/1.2
Magnification	5.5x - 88x	3.5x - 56x	5x - 80x
Field of View	5.3° x 4.0°	8.7° x 7.0°	5.9° x 4.7°
Digital Zoom	1x, 2x, 4x, 8x, 16x	1x, 2x, 4x, 8x, 16x	1x, 2x, 4x, 8x, 16x
Optical Module	31 mm; F/1.2; 2560x1440@25fps	31 mm; F/1.2; 2560x1440@25fps	31 mm; F/1.2; 2560x1440@25fps
Laser Rangefinder	Up to 1000 m, ±1 m	Up to 1000 m, ±1 m	Up to 1000 m, ±1 m
Weight	1.12 kg (2.5 lb)	1.12 kg (2.5 lb)	1.45 kg (3.2 lb)
Dimensions	217 x 155 x 88mm (8.5 x 6.1 x 3.5 in)	217 x 155 x 88mm (8.5 x 6.1 x 3.5 in)	230 x 155 x 88mm (9.0 x 6.1 x 3.5 in)



## THERMAL IMAGING CLIP-ONS

	Rattler-C V <sup>2</sup> 35-384	RattlerV <sup>2</sup> 50-640	Rattler TC19-256	Rattler TC35-384	Rattler TC35-640	Rattler TC50-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK	12µm, NETD<35mK	17µm, NETD<35mK	12µm, NETD<35mK	12µm, NETD<35mK
Resolution	384x288	640x512	256x192	384x288	640x512	640x512
Refresh Rate	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Detection Range (6' object)	1,800 m/yd	2,600 m/yd	950 m/yd	1,235 m/yd	1,750 m/yd	2,500 m/yd
Lens System	35 mm; F/1.0	50 mm; F/1.0	19 mm; F/1.0	35 mm; F/1.0	35 mm; F/1.0	50 mm; F/1.0
Magnification	1x	1x	1x	1x	1x	1x
Field of View	10.0° x 8.0°	8.8° x 7.0°	9.2° x 6.9°	10.0° x 8.0°	12.5° x 10.0°	8.8° x 7.0°
Weight	0.54 kg (1.19 lb)	0.55 kg (1.2 lb)	0.41 kg (0.92 lb)	0.42 kg (0.93 lb)	0.42 kg (0.93 lb)	0.49 kg (1.08 lb)
Dimensions	184 x 68 x 67 mm (7.2 x 2.7 x 2.6 in)	196 x 73 x 68 mm (7.7 x 2.9 x 2.7 in)	153 x 62 x 59 mm (6.0 x 2.4 x 2.3 in)	153 x 62 x 59 mm (6.0 x 2.4 x 2.3 in)	153 x 62 x 59 mm (6.0 x 2.4 x 2.3 in)	153 x 78 x 66 mm (6.0 x 3.1 x 2.6 in)

## THERMAL CLIP-ONS WITH LASER RANGEFINDER

	Secutor LRF-C 50-640	Secutor LRF-C 75-640
Detector	12µm, NETD<20mK	12µm, NETD<20mK
Resolution	640x512	640x512
Refresh Rate	50 Hz	50 Hz
Detection Range (6' object)	2,600 m/yd	3,200 m/yd
Lens System	50 mm; F/1.0	75 mm; F/1.2
Magnification	1x	1x
Field of View	8.8° x 7.0°	5.9° x 4.7°
Laser Rangefinder	Up to 1000 m, ±4 m	Up to 1000 m, ±4 m
Weight	0.68 kg (1.08 lb)	0.75 kg (1.65 lb)
Dimensions	190 x 102 x 69 mm (7.5 x 4.0 x 2.7 in)	216 x 110 x 78 mm (8.5 x 4.3 x 3.1 in)

## DIGITAL DAY & NIGHT OPTICS

- RIFLE SCOPES
- CLIP-ON SYSTEMS



# NEITH DS

## DIGITAL DAY & NIGHT VISION RIFLE SCOPE

The NEW Neith Digital Scope is an extremely versatile digital riflescope that can be used in virtually any lighting conditions and hunting situations. The Neith's 2560x1440 digital sensor provides shooter's with both crisp and clear daytime colors at high resolution, while maintaining great infrared sensitivity when converted to it's black & white night viewing mode. Unlike traditional daytime riflescopes, digital riflescopes offer a large array of software and recording options that modern hunters are quickly becoming more accustomed to, such as: 5 reticle options, multiple zeroing profiles, built-in recording for image and video capture capabilities, 64GB of internal memory storage, a one-shot zeroing system, shot activated video, and more. The unit is powered by a non-proprietary 18650 rechargeable battery, which gets up to 5.5 hours of continuous use on a single charge. Mounting the Neith is quick and easy due to the inclusion of a precision American-made American Defense Quick Detach Mount. The Neith's on-board 850nm infrared illuminator helps during night hunting operations where there is little-to-no natural ambient light available. The high-resolution sensor also means the majority of the Neith's robust magnification range, 2.5-20X, is readily available and usable for shooters and hunters alike. And of course, the Neith is 100% compatible with AGM's Connect App, which makes recording, storing, and sharing your hunting experiences easy and hassle-free, with no external memory cards or additional purchases required.



- 2560x1440 ultra-low light optical detector
- Supports Day/Night mode
- Detection range up to 400 m
- Built-in infrared illuminator
- On-board video recording and image capture
- Shot-Activated Recording
- 64 GB built-in EMMC memory
- Wi-Fi data transmission
- High-resolution OLED display
- Standby mode
- Replaceable and rechargeable Li-Ion battery
- External power supply capability
- Waterproof & shockproof
- 3-year warranty



# NEITH LRF DS

## DIGITAL DAY & NIGHT VISION RIFLE SCOPE

The Neith LRF DS32-4MP is a digital day & night vision scope developed for 24 hours operation in all ambient lighting conditions. This digital rifle scope has an advanced ultra-low light optical detector with 2560x1440 resolution – providing full-color clarity in daytime and classic black & white viewing at night. The Neith LRF supports multiple display modes including, day mode, night mode, defog mode, and more.

The 1000-meter integrated laser rangefinder is an important addition to the functionality of this device. This feature helps alleviate a common issue many shooters find themselves experiencing when hunting with any sort of digital optic, and that is the lack of depth perception that is inherent in optics utilizing a digital screen. A built-in long-range infrared illuminator provides advanced viewing capabilities and is ideally suited for operations in low-light / no-light conditions. The Neith LRF scope are powered by a single, non-proprietary, 18650 rechargeable battery, which provides users with 5.5 hours of continuous use in the field.

Pairing all these physical aspects with built-in recording, Wi-Fi compatibility through the AGM Connect app, external power options through the mini USB port, multiple reticle options, and 64GB of internal storage capacity, make the Neith LRF one of the most functionally diverse products in the AGM digital family. Protected by AGM's 3 Year Transferable Warranty!

- 2560x1440 ultra-low light optical detector
- Supports Day/Night mode
- Detection range up to 400 m
- Integrated laser rangefinder
- Built-in long-range IR illuminator
- On-board video recording and image capture
- Shot-Activated Recording
- 64 GB built-in EMMC memory
- Wi-Fi data transmission
- High-resolution OLED display
- Replaceable and rechargeable Li-Ion battery
- Up to 5.5 hours continuous runtime
- External power supply capability
- Waterproof & shockproof
- 3-year warranty



# NEITH DC

## DIGITAL DAY & NIGHT VISION CLIP-ON

The Neith DC is an extremely versatile digital night vision clip-on that can be used in virtually any lighting conditions and hunting situations. This system that allows quick transformation of day optic into a night vision or digital recording device without any special tools or equipment required. The Neith's 2560x1440 digital sensor provides shooter's with both crisp and clear daytime colors at high resolution, while maintaining great infrared sensitivity when converted to it's black & white night viewing mode. The high-resolution sensor also means that pixelation of the display while increasing magnification in the accompanying daytime scope occurs far less quickly than other brand's utilizing 1280 resolution displays.

Unlike traditional daytime riflescopes, digital scopes offer a large array of software and recording options that modern hunters are quickly becoming more accustomed to, such as: built-in recording for image and video capture capabilities, 64GB of internal memory storage, shot activated video, and more. The unit is powered by 18650 rechargeable battery, which gets up to 5.5 hours of continuous use on a single charge. Mounting the Neith DC can be accomplished in two ways, both which are quick and easy: 1) By utilizing the included American Defense weaver rail mount, or 2) By utilizing one of AGM's daytime rifle scope lens adapters. The Neith clip-ons on-board 850nm infrared illuminator helps during night hunting operations where there is little-to-no natural ambient light available. And of course, the Neith DC is 100% compatible with AGM's Connect App, which makes recording, storing, and sharing your hunting experiences easy and hassle-free.

- Quick conversion of daytime optics into night vision device
- Mounts in front of any daytime scope, no re-zeroing is required
- 2560x1440 ultra-low light optical detector
- Supports Day/Night mode
- Detection range up to 400 m
- Built-in long-range IR illuminator
- On-board video recording and image capture
- Shot-Activated Recording
- 64 GB built-in EMMC memory
- Wi-Fi data transmission
- Replaceable and rechargeable Li-Ion battery
- External power supply capability
- Waterproof & shockproof
- 3-year warranty



# NEITH LRF DC

## DIGITAL DAY & NIGHT VISION CLIP-ON

The Neith LRF DC32-4MP is a digital day & night vision clip-on that can be used in virtually any lighting conditions and hunting situations. This system that allows quick transformation of a day optic into a night vision or digital recording device without any special tools or equipment required. The Neith's 2560x1440 digital sensor provides shooter's with both crisp and clear daytime colors at high resolution, while maintaining great infrared sensitivity when converted to it's black & white night viewing mode.

Digital clip-on offers a large array of software and recording options that modern hunters are quickly becoming more accustomed to, such as: built-in recording for image and video capture capabilities, 64GB of internal memory storage, shot activated video, and more.

The 1000-meter integrated laser rangefinder is an important addition to the functionality of this device. This feature helps alleviate a common issue many shooters find themselves experiencing when hunting with any sort of digital optic, and that is the lack of depth perception that is inherent in optics utilizing a digital screen. A built-in long-range infrared illuminator provides advanced viewing capabilities and is ideally suited for operations in low-light / no-light conditions. Mounting the Neith LRF DC can be accomplished in two ways, both which are quick and easy: 1) By utilizing the included American Defense weaver rail mount, or 2) By utilizing one of AGM's daytime rifle scope lens adapters. The Neith LRF DC clip-on is powered by a single, non-proprietary, 18650 rechargeable battery, which provides users with 5.5 hours of continuous use in the field.

- Quick conversion of daytime optics into night vision device
- Mounts in front of any daytime scope, no re-zeroing is required
- 2560x1440 ultra-low light optical detector
- Supports Day/Night mode
- Detection range up to 400 m
- Integrated laser rangefinder
- On-board video recording and image capture
- 64 GB built-in EMMC memory
- Wi-Fi data transmission
- Replaceable and rechargeable Li-Ion battery
- Up to 5.5 hours continuous runtime
- Waterproof & shockproof
- 3-year warranty



# SPECIFICATIONS

## DIGITAL DAY & NIGHT OPTICS

### DIGITAL DAY & NIGHT VISION RIFLE SCOPES

	Neith DS32-4MP	Neith LFR DS32-4MP
<b>NV Technology</b>	Digital	Digital
<b>Lens System</b>	32 mm; F/1.2	32 mm; F/1.2
<b>Sensor</b>	2560x1440 CMOS	2560x1440 CMOS
<b>Refresh Rate</b>	25 Hz	25 Hz
<b>Detection Range</b>	400 m/yd	400 m/yd
<b>Magnification</b>	2.5x - 20x	2.5x - 20x
<b>Field of View</b>	8.1° x 6.1°	8.1° x 6.1°
<b>Laser Rangefinder</b>	No	Up to 1000 m, ±4 m
<b>Weight</b>	0.46 kg (1.0 lb)	0.48 kg (1.05 lb)
<b>Dimensions</b>	217 x 70 x 87 mm (8.5 x 2.7 x 3.4 in)	217 x 70 x 87 mm (8.5 x 2.7 x 3.4 in)

### DIGITAL DAY & NIGHT VISION CLIP-ON

	Neith DC32-4MP	Neith LRF DC32-4MP
<b>NV Technology</b>	Digital	Digital
<b>Lens System</b>	32 mm; F/1.2	32 mm; F/1.2
<b>Sensor</b>	2560x1440 CMOS	2560x1440 CMOS
<b>Refresh Rate</b>	25 Hz	25 Hz
<b>Detection Range</b>	400 m/yd	400 m/yd
<b>Magnification</b>	1x	1x
<b>Field of View</b>	9.9° x 7.5°	9.9° x 7.5°
<b>Laser Rangefinder</b>	No	Up to 1000 m, ±4 m
<b>Weight</b>	0.46 kg (1.0 lb)	0.48 kg (1.05 lb)
<b>Dimensions</b>	183 x 70 x 87 mm (7.2 x 2.7 x 3.4 in)	183 x 70 x 87 mm (7.2 x 2.7 x 3.4 in)



## NIGHT VISION

- MONOCULARS
- BINOCULARS
- CLIP-ON SYSTEMS



# PVS-14

## NIGHT VISION MONOCULAR

The AGM PVS-14 Night Vision Monocular is a rugged, lightweight, multi-purpose night vision device that has repeatedly proven itself in combat. The PVS-14 design was originally commissioned by the United States Military to enable nighttime operations. This monocular is used globally in some of the most challenging environments. The PVS-14 can be used as a handheld device, or mounted on the included head harness. With the proper accessories, it can also be mounted to various combat helmets. The PVS-14 monocular conforms to 810G Military standards and demonstrates the highest quality form and function.

The PVS-14 monocular is a full-featured unit. Weighing less than 12.4 ounces/ 0.32 kilograms. The unit includes manual gain control, an automatic bright light shut-off feature, and a built-in Infrared (IR) illuminator. The bright light shut-off feature ensures that the high-quality photocathode tube is protected. AGM's PVS-14 includes an array of optional accessories to support virtually any operation.

- Available in both Green (P43) and White (P45) Gen2 and Gen3 configurations
- Compact, rugged design
- Waterproof
- Head or helmet-mountable for hands-free usage
- Manual gain control
- Ergonomic, simple, easy-to-operate controls
- Built-in Infrared illuminator
- 3-year warranty



# WOLF-14

## NIGHT VISION MONOCULAR

The Wolf-14 is a durable, and versatile night vision monocular that delivers great performance at a reasonable price. Packed with high-tech features, the Wolf-14 is equally suited for law enforcement and security professionals as it is for hunting and recreation. The Wolf-14 can be hand-held or mounted on a helmet or headgear. A specialized mount enables the ability to mount in front of a camcorder or camera makes it ideal for night photography. With a variety of compatible lenses, long-range nighttime viewing is available in seconds. The Wolf-14 features bright light shut-off circuitry and a built-in spot/flood IR illuminator. The Wolf-14 can be equipped with high-performance Gen 2 image intensifier tubes in green or white phosphor.

- Available in both Green (P43) and White (P45) Gen2 configurations
- Compact, rugged design
- Head or helmet mountable for hands-free usage
- Bright light cut-off
- Ergonomic, simple, easy to operate controls
- Utilizes single CR123A lithium battery or AA Alkaline: adapter included
- Built-in Infrared illuminator
- 3-year warranty



# NVG-40, NVG-50

## NIGHT VISION GOGGLES / BINOCULARS

The AGM NVG-40/NVG-50 is a dual-channel night vision system. The NVG is made of a compact composite housing for durability, and features advanced multi-coated optics. The device can be outfitted with either a Gen 2+ or Gen 3 high-performance image intensifier tube (IIT). The bright light cut-off feature ensures that the high-quality photocathode tube is protected. The NVG is also equipped with Manual Gain Control, which adjusts the image brightness, providing the highest possible image quality even in changing light conditions. Operating from a single AA alkaline battery or CR123A battery, the NVG can run up to 20 hours. Also equipped with an integral infrared illuminator for reading in the dark. The NVG-50 uses different optics which give it a wider 51° field of view with the tradeoff of shorter eye-relief.

- Available in both Green (P43) and White (P45) Gen2 or Gen3 configurations
- Redundant dual-tube design
- True stereoscopic vision
- Wide 51° field of view (NVG-50)
- Lightweight & compact
- Head or helmet mountable for hands-free operation
- Bright light cut-off
- Manual gain control
- Ergonomic, simple, easy to operate controls
- Built-in infrared illuminator
- Utilizes single CR123A lithium or AA battery
- 3-year warranty



# PVS-7

## NIGHT VISION GOGGLES

The PVS-7 is widely recognized for its unsurpassed dependability, and ergonomic design. This U.S. Military-grade night vision goggle system has repeatedly proven its worth in combat, and is the highest-quality AN/PVS-7 B/D system on the market. The PVS-7 can be outfitted with high-performance Gen 2+, or Gen 3 image intensifier tubes (available in P43 green phosphor or P45 white phosphor).

The PVS-7 is equipped with Automatic Brightness Control (ABC) to adjust image brightness in changing light conditions to maintain image definition and clarity. The built-in infrared illuminator provides a light source beyond the visible spectrum to enable the user to operate in complete darkness without being detected.

Additionally, the PVS-7 has a bright light cutoff feature to protect the image tube from sources of intense light, and a flip-up shut-off feature that can be used with the optional helmet mount system. The PVS-7 has two LED indicators in the eyepiece for the IR illuminator on and low battery indicator.

Lightweight, tough, and versatile, the PVS-7 can be handheld, or mounted to the user's head/helmet. It is compatible with afocal magnifier lenses for superior long-range viewing.

- Available in both Green (P43) and White (P45) Gen2 or Gen3 configurations
- Compact, rugged design
- Waterproof
- Head or helmet-mountable for hands-free operation
- Ergonomic, simple, easy-to-operate controls
- Built-in Infrared illuminator
- 3-year warranty



# WOLF-7 PRO

## NIGHT VISION GOGGLES

The AGM Wolf-7 PRO is a bi-ocular night vision goggle system built around high-grade Gen 2+ image intensifier tubes. They are an exceptional choice for hands-free use. Built with high-grade optics and simple, reliable electronics, the Wolf-7 PRO provides bright and clear night vision images, even in the most trying conditions. This unit includes a built-in IR light source for reading maps or basic, short-range illumination in complete darkness.

The AGM Wolf-7 PRO is available with a variety of accessories such as 3x and 5x magnification lenses for mid-to-long-range viewing, head or helmet mounts for hands-free operation, and additional, high-powered IR illuminators for long-range use.

Water-resistant, rugged, light, and compact, the Wolf-7 PRO is the perfect hands-free unit for a variety of tough operations.

- Available in both Green (P43) and White (P45) Gen2 configurations
- Lightweight compact rugged goggle system
- Multi-purpose: Hand-held, head-mounted or helmet mounted
- Comfortable flip-up headgear
- Multi-coated all-glass optics
- Wide angle infrared illuminator
- Auto brightness control
- Bright light cut-off
- Utilizes single CR123A lithium battery or AA Alkaline
- Waterproof
- 3-year warranty



# COMANCHE-22

## NIGHT VISION CLIP-ON SYSTEM

The AGM Comanche-22 night vision clip-on system uses the latest advances in night vision clip-on technology. Designed for mid-range nighttime shooting, the Comanche-22 delivers exceptional clarity, reliability, and versatility providing the most significant functionality and features at the lowest possible price.

The Comanche-22 is mounted to a standard Weaver or Picatinny rail in front of an existing day scope; transforming it into a night vision device with no re-zeroing required. This NVCO can be used with day scopes of up to 7x magnification for optimal performance and is equipped with a quick release mount and wireless remote control. It provides greater target acquisition, and enhanced aiming capabilities making it extremely practical and effective during the most challenging missions.

- Available in both Green (P43) or White (P45) Gen2 and Gen3 configurations
- Simple, quick conversion of daytime scopes to NVDs
- Mounts in front of any daytime scope, no re-zeroing required
- Equipped with a wireless remote control
- Powered by a single Alkaline 1.5V AA or 3V CR123A Lithium battery
- Auto brightness control
- Bright-light cut-off system
- Quick-release mount
- 3-year warranty



# COMANCHE-40ER

## NIGHT VISION CLIP-ON SYSTEM

The Comanche-40ER Night Vision Clip-On (NVCO) system uses the latest advances in night vision clip-on technology. Designed for long-range nighttime shooting, the Comanche-40ER delivers exceptional clarity, reliability, and versatility providing the most significant functionality and features at the lowest possible price.

The Comanche-40ER is mounted to a standard Weaver or Picatinny rail in front of an existing day scope and transforming it into a night vision device with capability up to ranges of 1000 yards with no re-zeroing required. This NVCO can be used with day scopes of up to 10x magnification. Comanche-40ER is equipped with a quick release mount and remote control. It provides unmatched target acquisition and enhanced aiming capabilities, making it extremely practical and effective during the most challenging missions.

- Available in both Green (P43) or White (P45) Gen2 and Gen3 configurations
- Simple, quick conversion of daytime scopes to NVDs
- Manual gain control
- Mounts in front of any daytime scope, no re-zeroing required
- Equipped with a remote control
- Powered by a single Alkaline 1.5VAA or 3V CR123A Lithium battery
- Bright-light cut-off system
- Quick-release mount
- 3-year warranty



# SPECIFICATIONS

## NIGHT VISION

### NIGHT VISION MONOCULARS

	Wolf-14	PVS-14
NV Generation	Gen 2+	Gen 2+; Gen 3
Lens System	25 mm; F/1.2	26 mm; F/1.2
Magnification	1x	1x
Field of View	42°	40°
Weight	0.29 kg (0.64 lb)	0.32 kg (0.71 lb)
Dimensions	115 x 69 x 54 mm (4.5 x 2.7 x 2.1 in)	114 x 69 x 63 mm (4.5 x 2.7 x 2.5 in)

### NIGHT VISION GOGGLES

	Wolf-7 PRO	PVS-7	NVG-40	NVG-50
NV Generation	Gen 2+	Gen 2+; Gen 3	Gen 2+; Gen 3	Gen 2+; Gen 3
Lens System	27 mm, F/1.2	27 mm; F/ 1.2	27 mm; F/1.3	19 mm; F/1.26
Magnification	1x	1x	1x	1x
Field of View	40°	40°	40°	51°
Weight	0.51 kg (1.1 lb)	0.68 kg (1.5 lb)	0.64 kg (1.42 lb)	0.61 kg (1.35 lb)
Dimensions	183 x 132 x 58 mm (7.2 x 5.2 x 2.3 in)	162 x 152 x 76 mm (6.4 x 6.0 x 3.0 in)	115 x 118 x 74 mm (4.5 x 4.6 x 2.9 in)	112 x 118 x 74 mm (4.4 x 4.6 x 2.9 in)

### NIGHT VISION CLIP-ONS

	Comanche-22	Comanche-40ER
NV Generation	Gen 2+; Gen 3	Gen 2+; Gen 3
Lens System	80 mm; F/1.44	108 mm; F/1.54
Magnification	1x	1x
Field of View	12°	9°
Weight	0.75 kg (1.65 lb)	0.91 kg (2.0 lb)
Dimensions	168 x 85 x 80 mm (6.6 x 3.3 x 3.1 in)	230 x 87 x 97 mm (9.1 x 3.4 x 3.8 in)



# PVS-14 SKD KIT

## SEMI-KNOCKED-DOWN KIT (NO IIT)

AGM PVS-14 SKD Kit is a set of parts required to assemble PVS-14 night vision monocular. The kit does not include Image Intensifier Tube. It is not a functioning system and has no capability to be used during the day or night without further assembly and alignment. AGM PVS-14 SKD Kit (no IIT) is sold under AGM OEM program to authorized manufacturers who are certified in assembly of electro-optical devices.

The PVS-14 is a high-tech, durable and versatile Night Vision monocular. Packed with high-tech features, the PVS-14 is equally suited for security, hunting and recreation purposes.

The PVS-14 can be hand-held or mounted on a headgear. This kit can be equipped with high-performance Gen 2 or Gen 3 image intensifier tube in green or white phosphor version. Long-range nighttime view is available in seconds with a variety of compatible lenses. The PVS-14 features bright light shut-off circuitry and a built-in IR illuminator.

- SKD kit of assembled parts for PVS-14 night vision monocular
- Compatible IIT Type: 11769 (manual gain)
- Image Intensifier Tube is not included
- Compact, rugged design
- Head mountable for hands-free usage
- Utilizes single AA Alkaline battery
- Built-in Infrared illuminator and flood lens

### SKD KIT INCLUDES:

AGM PVS14-MG-11769 Body Kit (Objective Lens, Housing, Eyepiece)  
Objective Lens Cap / Daylight Filter  
Eyecup  
Demist-Shield  
Sacrificial Window  
Head Mount Assembly  
Head Mount Adapter  
Lens Tissue  
User Manual  
Shoulder Strap  
Soft Carrying Case



# PVS-14 SPARE PARTS

## SPARE PARTS FOR DIY OR OEM PROJECTS

AGM offers full-service support in both parts and accessories for thermal and nightvision products. Allowing you to customizable build your own device, purchase spare lenses, tubes or housings to upgrade older or pre-existing units, or carry additional parts and accessories for quick / easy repair of existing devices. All AGM product carries a 3yr warranty, and is expertly crafted and perfected for commercial and professional use. We realize that the investments made in products in both NightVision and Thermal Imaging typically far outlast the manufacturer warranty, and AGM wants to provide added support through parts and accessories at affordable pricing to keep your devices functioning for years to come.

Part #	Spare Part Name	Part #	Spare Part Name
A3144318	PVS14/PVS7 Objective Lens Cap	6105P4ER0	PVS14 Eyepiece Retaining Ring
A3256353	PVS14 Demist Shield	5005838	PVS14 Eyepiece Locking Ring
A3144264	PVS14/PVS7 Sacrificial Window	A3256360	PVS14 Objective Lens Locking Ring
A3144422	PVS14 Rubber Eyecup	A3144316	PVS14/PVS7 O-ring for purge screw
A3297312	PVS14 Battery Cap (no lanyard)	A3144315	PVS14/PVS7 Purge Screw
A3256347	PVS14 J-Arm	5002569	PVS14 Tube Retaining Ring
A3256352	PVS14 Eyepiece Lens Assembly	A3256351	PVS14 Manual Variable Gain Knob
A3256342	PVS14 Objective Lens Assembly	A3256358	PVS14 Light Pipe
A3144280	PVS14/PVS7 Head Mount Assembly with browpads	6105P4RS0	PVS14 Rotary Switch Assembly ON/OFF/IR
277705	PVS14 Monocular Housing	A3187392	PVS14/PVS7 Soft Carry Case
A3297309	PVS14 Battery Compartment Assembly	6114P4S1	AGM PVS-14 Shuttered Rubber Eyecup
6105P40B0	PVS14 O-ring, Battery Housing		



# AGM GEN 2+ AND GEN 3 I<sup>2</sup> TUBES

## IMAGE INTENSIFIER TUBES



The majority of Gen 2+ and Gen 3 Image Intensifier tubes (IIT) used in AGM systems are designed as compact 18mm format, inverting or non-inverting dual proximity focused devices with high sensitivity photocathodes. AGM Global Vision offers the image intensifier tubes with a P43 (green) or P45 (white) phosphor screen in two performance levels. The main differences among the levels are tubes technical parameters and cosmetics.

### GEN 2+ IIT

**NL1** – Gen 2+ "Level 1" Photonis FOM 1400-1800 green phosphor tube (P43). NL1 is the highest performing and the cleanest Gen 2 IIT offered out of the 3 levels. There are practically no visible spots in Zone 1.

**NL2** – Gen 2+ "Level 2" green phosphor tube (P43). NL2 is the second-best quality Gen 2 IIT offered, very limited number of spots in Zone 1.

**NW1** – Gen 2+ "Level 1" Photonis FOM 1400-1800 white phosphor tube (P45). NW1 is the highest performing and the cleanest Gen 2 IIT offered out of the 3 levels. There are practically no visible spots in Zone 1.

**NW2** – Gen 2+ "Level 2" white phosphor tube (P45). NW2 is the second-best quality Gen 2 IIT offered, very limited number of spots in Zone 1.

**Advanced Performance Gen 2+ IIT:** Highest performing and the cleanest Gen 2+ IIT offered. Made in EU.

**AP** – Gen 2+ Advanced Performance Auto-Gated Photonis FOM 1800-2300 green phosphor tube (P43).

**APW** – Gen 2+ Advanced Performance Auto-Gated Photonis FOM 1800-2300 white phosphor tube (P45).

**GEN 3 IIT:** All Gen 3 IIT offered by AGM are Made in USA.

**3AL1** – Gen 3 "Level 1" Auto-Gated FOM 1400-1800 green phosphor tube (P43). 3AL1 is the highest performing and the cleanest Gen 3 IIT offered out of the 3 levels. There are practically no visible spots in Zone 1.

**3AL2** – Gen 3 "Level 2" Auto-Gated green phosphor tube (P43). 3AL2 is the second-best quality Gen 3 IIT offered, very limited number of spots in Zone 1.

**3AW1** – Gen 3 "Level 1" Auto-Gated FOM 1400-1800 white phosphor tube (P45). 3AW1 is the highest performing and the cleanest Gen 3 IIT offered out of the 3 levels. There are practically no visible spots in Zone 1.

**3AW2** – Gen 3 "Level 2" Auto-Gated white phosphor tube (P45). 3AW2 is the second-best quality Gen 3 IIT offered, very limited number of spots in Zone 1.

**Advanced Performance Gen 3 IIT:** Highest performing and the cleanest Gen 3 IIT made by L3 and Elbit.

**3AP** – Gen 3 Advanced Performance FOM 2200+ Auto-Gated green phosphor tube (P43).

**3APW** – Gen 3 Advanced Performance FOM 2000+ Auto-Gated white phosphor tube (P45).

	GEN 2+	GEN 3
<b>Resolution, lp/mm</b>	45 - 72	64 - 72
<b>Photocathode Sensitivity</b>		
@2856°K, μA/lm	250 - 850	1500 - 2000
@880 nm mA/W	55 - 190	55 - 100
<b>Signal-to-Noise Ratio</b>	18 - 33	22 - 31
<b>FOM</b>	800 - 2300	1400 - 2200+
<b>Halo, mm</b>	-	> 0.85 / > 0.7
<b>EBI, x10<sup>-11</sup> lm/cm<sup>2</sup> (max)</b>	2.5	2.5
<b>Luminous Gain, fL/fc</b>		
@2x10 <sup>-6</sup> fc (min-max)	40,000 - 70,000	50,000 - 80,000
@2x10 <sup>-4</sup> fc (min-max)	10,000 - 20,000	14,000 - 21,000
<b>Output Brightness, fL @1 and 20 fc</b>	2.8 - 3.1	2.8 - 4.2
<b>MTF (minimum)</b>		
@2.5 lp/mm	92%	Info only
@7.5 lp/mm	80%	Info only
@15.0 lp/mm	61%	61%
@25.0 lp/mm	38%	38%
<b>Reliability, Hours (min)</b>	10,000	10,000
<b>Photocathode Diameter, mm (min)</b>	17.5	17.5
<b>Power Supply</b>	Built-in	Built-in Auto-gated/ Non-auto-gated



## AGM GLOBAL VISION

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