

# Adder V<sup>2</sup> LRF 50-640

## 30MM TUBE THERMAL IMAGING RIFLE SCOPES

The AGM AdderV2 LRF is the next step in the evolutionary process in the AGM thermal riflescope lineup. Based off the ever-popular original 30mm AGM thermal scopes, the Adders, the V2's will improve upon its predecessor in a number of ways, many of which come directly from our loyal customers.

Although the AdderV2 LRF 50-640 looks like many other traditional glass scopes, in this case, looks can be deceiving. As user's peek inside the new magnetic lens cap, you'll notice an incredibly sleek new integrated LRF design. Rather than attaching an external laser rangefinder housing outside the device, the AdderV2 LRF beautifully tucks the new 1000yd laser rangefinder into the front lens, making it virtually unnoticeable from any angle but head-on. The first of its kind in the thermal market, this new design is exceptional in its simplicity.

Although the new internal LRF module is one of the major improvements in the new AdderV2's, its certainly not the only one. Not to be outdone, the new 640x512/12 micron sensor comes in at an industry-leading sub-15mk sensitivity. And we didn't just pair that new sensor with a common 1024 display, we've paired it with an intricate new 2560x2560 micro display and AGM's first shutterless nuc system. This display not only provides users with unrivaled image quality, but also with the new semi-circular internal user interface. This new interface will still comfortably provide shooters with the most crucial information, such as battery life, magnification level, range, time and vertical/horizontal pitch scale readout. The magnification range, 3.5-26X, is ideal for a wide range of hunting geographical regions and animal types. This unit also allows users to switch from full step zoom to 0.5X incremental zoom adjustments as well, so there's no wasted sections of the magnification range. Other improvements include: new red & green monochrome color palettes, 64GB of internal storage capacity, 1000g recoil resistance, a fully integrated on board ballistic calculator, pitch scale activation, media albums which can be viewed on the device (not just your phone), internal 9hr rechargeable battery, cold & warm hue viewing modes, and more. And like the original Adder series scopes, the AdderV2's will come with an American-made ADM one-piece Recon 30mm mount (\$220 value) included. AGM – Vision Without Limits.

- 640x512 thermal resolution
- 12µm high-sensitivity detector
- Built-in 1000m laser rangefinder and ballistic calculator
- 0.5x step of continuous zooming
- 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 9 hours continuous working
- 3-year warranty



## SPECIFICATIONS

Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	640 × 512
Frame Rate	50 Hz
Pixel Interval	12 µm
Response Waveband	8 µm to 14 µm
NETD	Less than 15 mK (@25°C, F# = 1.0)
Focal Length	50 mm, F1.0
Focus Mode	Focus Ring
Detection Range	2600 m
Min. Focusing Distance	5 m
Magnification	3.5X – 26X Support 0.5X step value of continuous zooming
Field of View(H × V), Degrees / m @100m	8.8° × 7.0°/15.4 m × 12.3 m
Display	2560x2560, 1.03 inch OLED
FFC (Flat Field Correction) Mode	Semi-Auto, Manual
Palettes	Black Hot, White Hot, Red Hot, Fusion, Red Monochrome, Green Monochrome
Exit Pupil	6 mm
Eye Relief	45 mm
Diopter (Range)	-4D to 4D
Brightness Adjustment	Yes
Tone Adjustment	Cold, Warm
Contrast Adjustment	Yes
Image Boost 2.0	Yes
Zoom Pro	Yes
Shutterless	Yes
Record Video	On-board Video Recording
Capture Snapshot	Yes
Audio Recording	Yes
Recoil-activation Recording	Yes
Storage	Built-in EMMC (64 GB)
PIP	Yes
Hotspot	Yes
Hot Track	Yes
Distance Measurement	Yes
Zeroing Profiles	5
Max. Recoil	1000g/0.4ms
Freeze Zeroing	Yes
Standby Mode	Yes
Ballistic Calculation	Yes
Local Album	Yes
Battery Type	Two rechargeable Lithium batteries (internal), one replaceable and rechargeable 18650 battery (external)
Battery Operating Time	9 hours continuous running (@25°C, Zoom Pro, LRF on)
Type-C Power Supply	5 V DC/2 A, USB Type-C interface, Supports QC3.0 (* Only the built-in battery will be charged via the type-C cable. Use the battery charger to charge the external battery)
Mounting	Standard 30mm
Dimension	432 × 90 × 78 mm (17.0 × 3.5 × 3.1 in)
Weight	0.86 kg ( 1.9 lb)
Working Temperature	-30 °C to 55 °C (-22 °F to 131°F)
Protection Level	IP67
LRF Module in Lens	Yes
Wavelength	905 nm
Safety Class for Laser	Class 1
Max. Measuring Range	1000 m
Measurement Accuracy	±1 m
Min. Measuring Range	10 m

Specifications are subject to change without notice.  
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