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AGM Global Vision VARM35-384-2

AGM Global Vision Varmint V2 Thermal Imaging Riflescope LRF 35-384 User Manual

Model: VARM35-384-2

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of the AGM Global Vision Varmint V2 Thermal Imaging Riflescope LRF 35-384. Please read this manual thoroughly before operating the device to ensure safe and effective use.



Image 1.1: The AGM Global Vision Varmint V2 Thermal Imaging Riflescope LRF 35-384. This image shows the overall design of the thermal riflescope with its objective lens, eyepiece, control buttons, and integrated laser rangefinder.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the device:

- Do not disassemble or modify the device. Unauthorized modifications can void the warranty and cause damage.
- Avoid direct exposure of the objective lens to strong light sources, such as the sun, as this may damage the thermal sensor.
- Keep the device away from extreme temperatures, humidity, and corrosive environments.
- Use only specified batteries and power adapters.
- Ensure the device is securely mounted before use.
- This device contains a laser rangefinder. Avoid direct eye exposure to the laser beam.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

The AGM Global Vision Varmint V2 Thermal Imaging Riflescope LRF 35-384 package includes the following items:

- Thermal Imaging Riflescope
- Mount

- USB Cable
- Lens Cloth
- User Manual (this document)
- Carrying Case

4. PRODUCT OVERVIEW

The Varmint V2 LRF 35-384 is a thermal imaging riflescope designed for various applications, featuring a high-sensitivity thermal detector and an integrated laser rangefinder.

Key Features:

- 12 μ m high sensitivity thermal detector
- Fast 50Hz imaging
- 1x, 2x, 4x, 8x Digital zoom
- Adjustable color palettes
- Built-in laser rangefinder (600m range, \pm 1m accuracy)
- High resolution OLED display (1024x768)
- Various reticle types and colors
- On-board video recording and snapshot
- Built-in EMMC storage (16 GB)
- Standby mode
- Up to 4.5 hours continuous runtime (up to 6.5 hours with replaceable battery)
- External power supply compatibility
- IP67 Protection (Waterproof)
- WiFi Hotspot for live video and remote control via AGM Connect App
- Ballistic Calculator



Image 4.1: Overview of key features including the 1024x768 OLED display, IP67 protection, video/image recording, and hotspot functionality.

5. SETUP

5.1 Battery Installation

The device uses a replaceable 18650 rechargeable battery. To install or replace the battery:

1. Locate the battery compartment.
2. Open the battery compartment cover.
3. Insert the 18650 battery according to the polarity indicators.
4. Securely close the battery compartment cover.



Image 5.1: Illustration of the battery compartment, highlighting the 18650 replaceable rechargeable battery for up to 6.5 hours of operating time.

5.2 Mounting the Riflescope

The Varmint V2 LRF is designed for Picatinny rail mounting. Follow these steps to mount the riflescope:

1. Ensure the firearm is unloaded and safe.
2. Attach the provided mount to the Picatinny rail on your rifle.
3. Place the riflescope onto the mount.
4. Tighten the mounting screws to secure the riflescope firmly. Do not overtighten.
5. Adjust the eye relief for comfortable viewing.

DETECTION DISTANCE



RECOGNITION RANGE	275m / 300yd	DETECTION RANGE	1360m / 1488yd	
RECOGNITION RANGE	430m / 470yd	DETECTION RANGE	2140m / 2340yd	

Image 5.2: The AGM Varmint V2 Thermal Riflescope mounted on a rifle, demonstrating proper positioning for use.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off and Standby

- To power on: Press and hold the power button until the display activates.
- To power off: Press and hold the power button until the device shuts down.
- To enter standby mode: Briefly press the power button during operation. Press again to exit standby.

6.2 Menu Navigation

Use the control buttons to navigate through the device's menu. Specific button functions are detailed in the full user manual (refer to the included manual for a diagram of controls).

6.3 Digital Zoom

The device supports 1x, 2x, 4x, and 8x digital zoom. Use the designated zoom button or menu option to cycle through magnification levels.



Image 6.1: Visual representation of the 8x digital zoom capability, showing progressive magnification from 1x to 8x, resulting in 3x-24x overall magnification.

6.4 Color Palettes

The Varmint V2 LRF offers adjustable color palettes to suit different viewing conditions and preferences. Common palettes include Black Hot, White Hot, Red Hot, and Fusion.



Image 6.2: Examples of the four available color palettes: Black Hot, White Hot, Red Hot, and Fusion, demonstrating how thermal signatures are displayed differently.

6.5 Reticle Types and Colors

Select from various reticle types and colors to optimize targeting for different scenarios. The device offers 10 reticle types and 4 colors.



Image 6.3: A selection of 10 reticle types and 4 color options available for customization within the riflescope's display.

6.6 Laser Rangefinder and Ballistic Calculator

Activate the built-in laser rangefinder to measure distances up to 600 meters with ± 1 meter accuracy. The integrated ballistic calculator can assist with shot placement based on measured distance and pre-programmed ballistic data.



Image 6.4: Depiction of the laser rangefinder in use, showing a red laser beam and an on-screen display with range and ballistic drop information.

6.7 Video Recording and Image Capture

The device features on-board video recording and snapshot capabilities with 16 GB of built-in EMMC storage. Use the dedicated buttons or menu options to initiate recording or capture images.



Image 6.5: Illustration of the video recording and image capture function, showing the 16 GB internal storage and connectivity with the AGM Connect App for live video via WiFi Hotspot.

6.8 WiFi and AGM Connect App

Connect the riflescope to your smartphone via WiFi hotspot using the AGM Connect App. The app allows for live video streaming, remote control, photo management, firmware updates, and technical support.

- Download the AGM Connect App from Google Play or the App Store.
- Activate the WiFi hotspot on the riflescope via the menu.
- Connect your smartphone to the riflescope's WiFi network.
- Launch the AGM Connect App to access features.

7. MAINTENANCE

7.1 Cleaning

- Use the provided lens cloth to gently clean the optical surfaces.
- For stubborn dirt, use a soft cloth lightly dampened with lens cleaning solution.
- Do not use abrasive materials or harsh chemicals.
- Clean the device body with a soft, damp cloth.

7.2 Storage

- Store the riflescope in its carrying case when not in use.
- Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery; incorrectly installed battery.	Charge or replace the battery; ensure correct polarity.
Poor image quality.	Dirty lens; incorrect focus; environmental conditions.	Clean the lens; adjust focus; consider environmental factors.
Laser rangefinder not working.	Obstruction; out of range; low battery.	Ensure clear line of sight; check range limits; charge battery.
WiFi connection issues.	WiFi not enabled; incorrect password; app issues.	Enable WiFi on device; verify password; restart app/device.

For further assistance, refer to the full user manual or contact AGM Global Vision customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	AGM Global Vision

Feature	Detail
Model Name	VARMINT V2 LRF
Style	35-384
Color	Black
Material	Polycarbonate
Item Weight	1.5 Pounds
Objective Lens Diameter	35 Millimeters
Compatible Devices	Rifle
Mounting Type	Picatinny Mount
Night Vision	Yes
Eye Relief	45 Millimeters
Reticle Type	Crosshair
UPC	810027773173
Item Package Dimensions L x W x H	14.84 x 12.8 x 5.2 inches
Item Dimensions L x W x H	8.4 x 2.6 x 3.4 inches
Storage	16 GB EMMC
Battery Life	Up to 4.5 hours (continuous), up to 6.5 hours (replaceable 18650)
Laser Rangefinder Range	600m with ± 1 m accuracy
Display	High resolution OLED (1024x768)
Thermal Detector	12 μ m high sensitivity
Imaging Frequency	50Hz
Digital Zoom	1x, 2x, 4x, 8x

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The AGM Global Vision Varmint V2 Thermal Imaging Riflescope LRF 35-384 comes with a **5-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official AGM Global Vision website or contact their customer service.

10.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact AGM Global Vision customer support. You can find contact information and additional resources on the official [AGM Global Vision Store](#) or their corporate website.

