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Nocpix VISTA-H35R

Nocpix Vista H35R LRF 35-640 Thermal Monocular User Manual

1. INTRODUCTION

Thank you for choosing the Nocpix Vista H35R LRF 35-640 Thermal Monocular. This device is engineered to provide superior thermal imaging performance for various applications, including observation, hunting, and surveillance. Featuring an advanced thermal sensor, integrated laser rangefinder, and a high-resolution AMOLED display, the Vista H35R delivers exceptional clarity and detail. This manual provides essential information for the proper setup, operation, and maintenance of your device.

2. PRODUCT OVERVIEW

The Nocpix Vista H35R LRF 35-640 is a high-performance handheld thermal monocular designed for detailed observation in challenging conditions. Key features include:

- Advanced Optics:** Equipped with an f/0.9 germanium objective lens for unmatched clarity.
- High-Resolution Sensor:** Features a 640x512 thermal sensor with 15 mK NETD sensitivity for detailed images.
- Integrated Laser Rangefinder:** Accurately detects distances up to 1,200 yards with 1-yard precision.
- Vibrant Display:** 1.03-inch 2560x2560 round AMOLED display for a smooth, sharp picture.
- Electronic Image Stabilization:** Ensures stable viewing even during movement.
- Removable Battery Pack:** Utilizes the Nocpix IBP-7 Removable Battery Pack with direct USB-C charging.
- Recording Capabilities:** Built-in photo, video, and audio recording.



Figure 2.1: The Nocpix Vista H35R LRF 35-640 Thermal Monocular. This image shows the device from a side angle, highlighting its ergonomic design and objective lens.

3. SETUP

3.1. Battery Installation

1. Locate the battery compartment on the device.
2. Open the battery compartment cover.
3. Insert the Nocpix IBP-7 Removable Battery Pack, ensuring correct polarity.
4. Close the battery compartment cover securely.

3.2. Charging the Battery

The Nocpix IBP-7 battery can be charged directly via the USB-C port on the device.

1. Connect the provided USB-C cable to the device's USB-C port.
2. Connect the other end of the USB-C cable to a compatible USB power adapter (not included) or a computer's USB port.
3. The charging indicator will illuminate, typically red during charging and green when fully charged.

3.3. Initial Power-On

After installing a charged battery, press and hold the power button (refer to the device diagram for location) for approximately 3 seconds until the display illuminates.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

- **Power On:** Press and hold the power button for 3 seconds.
- **Power Off:** Press and hold the power button for 3 seconds until the shutdown prompt appears, then

confirm.

4.2. Focus Adjustment

Use the ergonomic objective focus dial located on the device to achieve a clear image. Rotate the dial clockwise or counter-clockwise until the image on the AMOLED display is sharp.

4.3. Using the Laser Rangefinder (LRF)

The integrated laser rangefinder can be activated for single measurements or continuous scanning.

- **Single Measurement:** Briefly press the LRF button (refer to device diagram) to measure the distance to the target. The distance will be displayed on the screen.
- **Continuous Scan:** Press and hold the LRF button to activate continuous scanning. The distance will update as you move the device across different targets. Release the button to stop scanning.

4.4. Photo, Video, and Audio Recording

The Vista H35R allows for capturing images, videos, and audio.

- **Photo:** Press the photo capture button (refer to device diagram) to take a still image.
- **Video:** Press the video recording button to start recording. Press it again to stop.
- **Audio:** Audio recording is integrated with video recording. Ensure the microphone is not obstructed.

4.5. Menu Navigation and Settings

The device features an intuitive interface for accessing various settings. Use the navigation buttons (up, down, select) to browse through menus and adjust parameters such as color palettes, brightness, contrast, and electronic image stabilization.

5. MAINTENANCE

5.1. Cleaning the Device

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the lens surface. Avoid abrasive materials or excessive pressure.
- **Body:** Wipe the device body with a soft, damp cloth. Do not use harsh chemicals or solvents.

5.2. Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging the battery for extended periods.
- Charge the battery regularly, even if not in frequent use, to maintain its lifespan.

5.3. Storage

When storing the device for extended periods, ensure it is clean, dry, and the battery is partially charged. Store it in its protective case in a stable environment, away from extreme temperatures and humidity.

6. TROUBLESHOOTING

If you encounter issues with your Nocpix Vista H35R, please refer to the following common solutions:

- **Device Not Powering On:** Ensure the battery is correctly installed and fully charged. Try charging

the device for at least 30 minutes.

- **Image Unclear/Blurred:** Adjust the objective focus dial until the image is sharp. Ensure the lens is clean and free from smudges or debris.
- **Laser Rangefinder Not Working:** Ensure there are no obstructions between the device and the target. Check if the LRF function is enabled in the settings menu.
- **Short Battery Life:** Ensure the battery is fully charged before use. Reduce screen brightness or disable unnecessary features to conserve power.
- **Device Unresponsive:** Perform a soft reset by holding the power button for 10-15 seconds until the device restarts. If the issue persists, contact customer support.

7. SPECIFICATIONS

Feature	Specification
Model Number	VISTA-H35R
Thermal Sensor Resolution	640x512
NETD Sensitivity	<15 mK
Objective Lens	35mm, f/0.9 Germanium
Display Type	AMOLED
Display Resolution	2560x2560
Laser Rangefinder Range	Up to 1,200 yards (1-yard accuracy)
Battery Type	Nocpix IBP-7 Removable Battery Pack
Charging Interface	USB-C

8. WARRANTY AND SUPPORT

Nocpix products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Nocpix website. For technical support, service, or inquiries, please contact Nocpix customer service through their official channels. Please have your model number (VISTA-H35R) and purchase information ready when contacting support.