Pard Ocelot 256

Pard USA Ocelot 256 Thermal Imaging Scope User Manual

Model: Ocelot 256

1. Introduction

The Pard USA Ocelot 256 is a compact thermal imaging scope designed for reliable thermal vision. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your device.
Key features of the Ocelot 256 include:

- **Objective Lens:** 19mm
- **Optical Magnification:** 3.2x
- **Digital Zoom:** Up to 8x
- **Sensor:** 256x192 VOx with 12µm pixels
- **NETD:** ≤25mK for high thermal contrast
- **Detection Range:** Up to 900m (984 yards)
- **Refresh Rate:** 50Hz
- **Display:** 1024x768 OLED
- **Field of View (Horizontal):** 9.2° (11.5° diagonal)
- **Construction:** Lightweight aluminum alloy housing

Figure 1: Front view of the Pard USA Ocelot 256 Thermal Imaging Scope.

Figure 2: Illustration highlighting the compact design of the Ocelot 256, weighing approximately 420g with battery.

2. Setup

Before using your Ocelot 256 Thermal Imaging Scope, ensure it is properly set up.

2.1 Unpacking and Initial Inspection

- Carefully remove the thermal imaging scope from its packaging.
- Inspect the device for any visible damage.
- Confirm all included components, such as the thermal imaging scope itself, are present.

2.2 Battery Installation

The Ocelot 256 requires a battery for operation. Refer to the specific battery compartment and polarity markings on the device for correct installation. Ensure the battery is fully charged before first use.

2.3 Mounting (if applicable)

If mounting the scope, follow the instructions provided with your mounting system. Ensure the scope is

securely attached and properly aligned.

2.4 Firmware Update

To ensure optimal performance, it is recommended to keep the device firmware updated. Copy the latest software into the embedded MultiMediaCard (eMMC) as per manufacturer instructions for firmware upgrades.

2.5 Wi-Fi Connection

The Ocelot 256 features built-in Wi-Fi, allowing connection to a smartphone or other compatible device for use as an external viewfinder or for sharing content. Consult the device's on-screen menu or a detailed manufacturer guide for specific Wi-Fi connection procedures.

Figure 3: Side view of the Ocelot 256, showing the eyepiece and control buttons.

3. Operating Instructions

This section outlines the basic operation of the Pard USA Ocelot 256 Thermal Imaging Scope.

3.1 Power On/Off and Standby

- **Power On:** Press and hold the power button (typically located on the top or side of the device) until the display activates.
- **Standby Mode:** A single press of the power key can swiftly shut down or awaken the device, reducing power drain during periods of inactivity.
- **Power Off:** Press and hold the power button again until the device powers down completely.

3.2 Magnification Adjustment

The Ocelot 256 offers both optical and digital zoom capabilities:

- **Optical Magnification:** The base optical magnification is 3.2x.
- **Digital Zoom:** Utilize the digital zoom function to increase magnification up to 8x, providing variable magnification up to 25.6x. Refer to the device's controls for digital zoom activation.

3.3 Scene Modes

The device includes three distinct scene modes (City, Rain, Forest) to optimize thermal imaging for different

environments. Select the appropriate mode via the device's menu to enhance adaptability and image clarity.

3.4 Hot Track Function

The 'Hot Track' feature assists in swift detection and tracking of heat signatures, ensuring targets remain visible. Activate this function through the device's menu system.

3.5 Display and Reticle Settings

The 1024x768 OLED screen provides a clear view of heat signatures. Users can adjust reticle colors and other display settings through the device's menu to suit personal preference and environmental conditions.

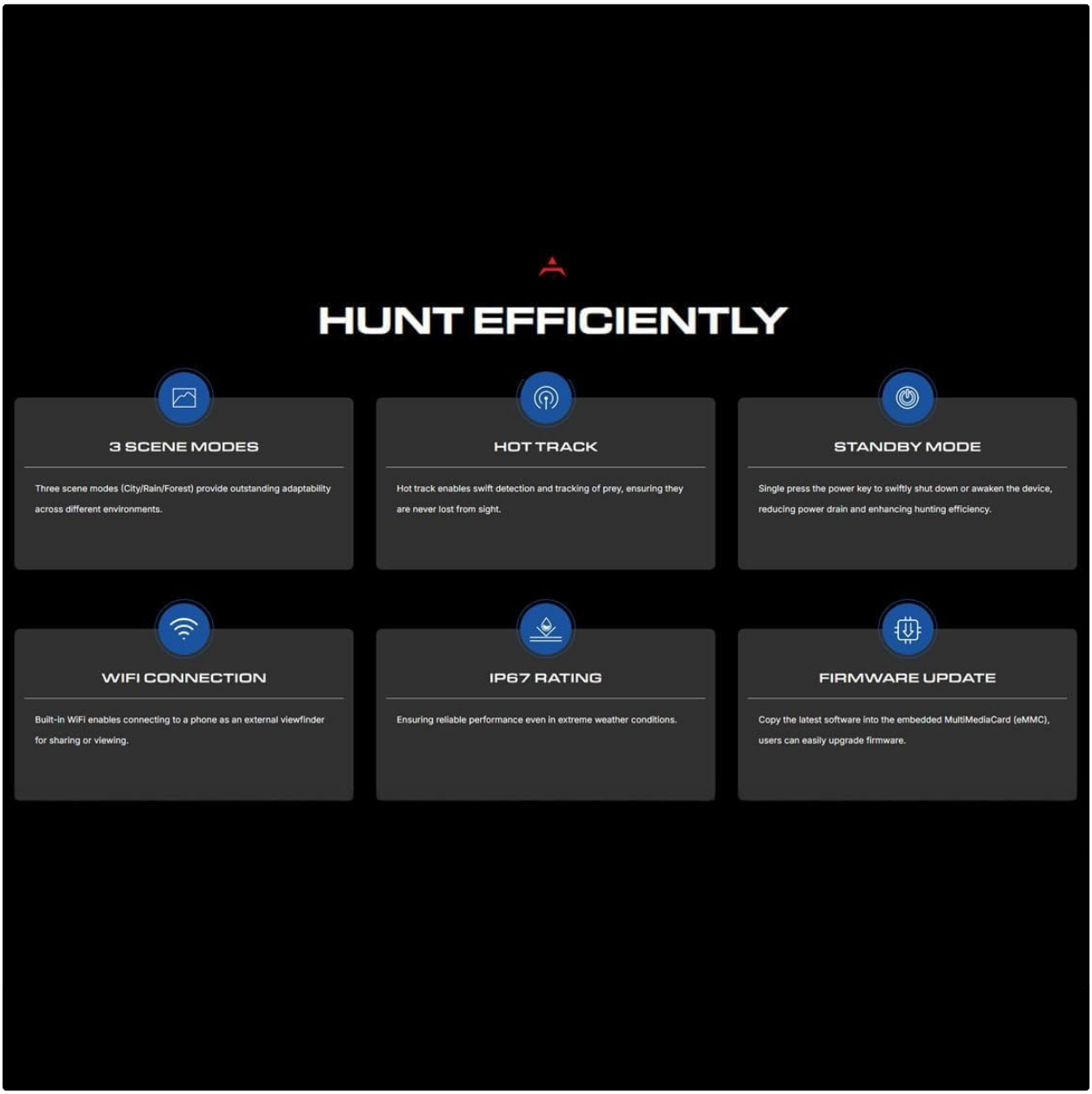

Figure 4: Overview of efficient hunting features including scene modes, hot track, standby mode, Wi-Fi, IP67 rating, and firmware updates.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Ocelot 256 Thermal Imaging Scope.

4.1 Cleaning

- **Lenses:** Use a soft, lint-free cloth specifically designed for optical lenses. Gently wipe the objective and eyepiece lenses. Avoid abrasive materials or harsh chemicals.
- **Body:** Wipe the aluminum alloy body with a clean, damp cloth. Do not submerge the device.

4.2 Storage

Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery.

4.3 Environmental Protection

The Ocelot 256 has an IP67 rating, indicating reliable performance even in challenging weather conditions. However, prolonged exposure to extreme elements should be avoided, and the device should be dried thoroughly if it becomes wet.

4.4 Firmware Updates

Regularly check for and install firmware updates as described in Section 2.4 to benefit from performance improvements and new features.

5. Troubleshooting

This section addresses common issues you might encounter with your Ocelot 256 Thermal Imaging Scope.

5.1 No Power

- Ensure the battery is correctly installed and fully charged.
- Check battery contacts for cleanliness and proper connection.

5.2 Poor Image Quality

- Clean the objective lens and eyepiece.
- Adjust focus and diopter settings.
- Ensure the correct scene mode is selected for the environment.
- Perform a manual calibration if available (refer to the full manufacturer's guide).

5.3 Wi-Fi Connection Issues

- Ensure Wi-Fi is enabled on both the scope and the connecting device.
- Verify that the connecting device is within range.
- Restart both the scope and the connecting device.

For more detailed troubleshooting or issues not listed here, please refer to the comprehensive manufacturer's manual or contact customer support.

6. Specifications

Detailed technical specifications for the Pard USA Ocelot 256 Thermal Imaging Scope.

Feature	Specification
Model Name	Ocelot 256
Objective Lens	19mm
Optical Magnification	3.2x
Digital Zoom	Up to 8x (variable magnification up to 25.6x)
Thermal Sensor Resolution	256x192 VOx
Pixel Pitch	12µm
NETD	≤25mK
Detection Range	Up to 900m (984 yards)
Refresh Rate	50Hz
Display Type	OLED
Display Resolution	1024x768
Horizontal FOV	9.2° (11.5° diagonal)
Dimensions (L x W x H)	7.2 x 2.7 x 3.1 inches (approx.)
Weight	Approx. 420g (with battery)
Material	Aluminum Alloy
IP Rating	IP67
Included Components	Thermal Imaging Scope

Figure 5: Graphic illustrating the exceptional NETD ≤25mK sensitivity of the Ocelot 256 sensor.

7. Warranty Information

The Pard USA Ocelot 256 Thermal Imaging Scope typically comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty documentation included with your product or contact Pard USA directly. The product listing indicates a warranty description of "Amazon," which generally refers to Amazon's return policy or extended protection plans available at the time of purchase.

8. Support

For technical assistance, product inquiries, or warranty claims, please contact Pard USA LLC, the manufacturer and seller of this product. You may also visit the official Pard store on Amazon for additional resources and contact information.

Pard USA LLC
Manufacturer & Seller

For further support, visit the Pard Store on Amazon.

Related Documents - Ocelot 256

	PARD Pantera Series Thermal Imaging Device User Manual Comprehensive user manual for the PARD Pantera Series thermal imaging device, covering specifications, installation, operation, and features. Includes detailed instructions for zeroing, menu settings, and device functions.
	PARD Predator Series Thermal Imaging Camera User Manual - Features and Operation Explore the PARD Predator Series thermal imaging camera with this comprehensive user manual. Learn about its advanced features, specifications, installation, and operation for effective day and night hunting.
	PARD BT Series Thermal Imaging Camera User Manual User manual for the PARD BT Series thermal imaging camera, covering installation, specifications, operation, and precautions. Learn how to use your PARD thermal camera effectively.
	PARD Pantera eX 640 Thermal Imaging Device User Manual Comprehensive user manual for the PARD Pantera eX 640 thermal imaging device, covering features, specifications, installation, operation, and menu settings. Includes detailed instructions for using shortcut and menu modes, ballistic calculation, and device configuration.
	PARD SA32/SA62 LRF Thermal Imaging Device User Manual Comprehensive user manual for the PARD SA32/SA62 LRF thermal imaging device, covering features, specifications, installation, operation, and settings.
	PARD NV007V Digital Night Vision Operation Manual Comprehensive operation manual for the PARD NV007V digital night vision device, covering installation, usage instructions, features, specifications, and warranty information.