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› Pulsar Core Thermal Monocular - Front Attachment User Manual

Pulsar FXQ38

Pulsar Core Thermal Monocular - Front Attachment User Manual

Model: PL76453 (FXQ38)

Brand: Pulsar

1. INTRODUCTION

The Pulsar Core FXQ38 Thermal Riflescope Forward is a versatile thermal optic designed for enhanced observation and targeting. It functions as both a standalone thermal monocular and a front attachment for a riflescope, offering adaptability in various scenarios. Equipped with a high-resolution 384x288 sensor, it facilitates object detection at distances up to 1475 yards. Key features include noiseless shutter calibration, external power supply compatibility, and a lightweight, waterproof design, ensuring reliable performance in diverse environmental conditions.



Figure 1: The Pulsar Core FXQ38 Thermal Monocular, showcasing its compact design and objective lens.

2. INCLUDED COMPONENTS

Upon unboxing your Pulsar Core Thermal Monocular, please verify that all the following components are present:

- Pulsar Core FXQ38 Thermal Monocular
- Attachment's eyepiece
- Carrying case

- Torque screwdriver
- Wireless remote control
- Hand strap
- User Manual (this document)
- Cleaning cloth
- Warranty Card
- 2x CR123 Batteries



Figure 2: All components included with the Pulsar Core FXQ38, laid out for inspection.

3. SETUP

3.1. Battery Installation

The Pulsar Core FXQ38 operates on two CR123 batteries. To install or replace batteries:

1. Locate the battery compartment on the side of the device.
2. Rotate the battery compartment cover counter-clockwise to open.
3. Insert two CR123 batteries, ensuring correct polarity as indicated inside the compartment.
4. Replace the cover and rotate clockwise until securely fastened.

3.2. Initial Power-On

Press and hold the power button (typically located on the top panel) for a few seconds until the display illuminates. The device will perform a self-check before becoming operational.

4. OPERATING THE DEVICE

4.1. Modes of Operation

The Core FXQ38 offers three distinct modes to optimize image clarity across different environments:

- **Forest Mode:** Optimized for viewing in dense wooded areas, enhancing contrast for targets against foliage.
- **Rocks Mode:** Designed for rocky or mountainous terrain, providing improved detail and thermal differentiation.
- **Identification Mode:** Offers the highest level of detail for precise target identification.

Switch between modes using the dedicated control buttons on the top of the unit. Refer to the on-screen interface for current mode selection.

4.2. Digital Zoom

The device features a 2x digital zoom. Activate the digital zoom to magnify the image for closer inspection of distant objects. Note that digital zoom may reduce image resolution compared to optical magnification.

4.3. Monocular and Front Attachment Use

The Core FXQ38 can be used as a handheld thermal monocular for observation or attached to a riflescope as a thermal front attachment. To convert to a riflescope attachment, remove the monocular eyepiece and attach the appropriate adapter (sold separately) to your riflescope's objective lens. This allows for seamless integration without affecting the riflescope's zero.



Figure 3: Side view of the Pulsar Core FXQ38, highlighting its compact form factor.



Figure 4: Opposite side view of the Pulsar Core FXQ38, showing control knob and battery compartment.

4.4. User Interface

The device features a user-friendly interface with intuitive controls. The main control buttons are located on the top panel, allowing for easy navigation through menus and settings. The display provides real-time information, including selected mode, battery status, and digital zoom level.

Your browser does not support the video tag.

Video 1: Official product video demonstrating the features and operation of the Pulsar Core FXQ38 Thermal Monocular/Front Attachment.

5. MAINTENANCE

5.1. Cleaning

To maintain optimal performance and longevity of your Pulsar Core FXQ38, regular cleaning is recommended:

- Use the provided cleaning cloth or a soft, lint-free cloth to gently wipe the exterior of the device.
- For lenses, use a specialized lens cleaning solution and a microfiber cloth to avoid scratches. Do not use abrasive materials or harsh chemicals.
- Ensure the objective lens cover is closed when not in use to protect the lens from dust and debris.

5.2. Storage

When storing the device for extended periods, remove the batteries to prevent leakage. Store in the provided carrying case in a cool, dry place away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Pulsar Core FXQ38. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
Device does not power on.	Low or dead batteries; incorrect battery installation.	Replace batteries with fresh ones; ensure correct polarity.
Poor image quality/blurry image.	Lens is dirty; improper focus; environmental factors (fog, heavy rain).	Clean lenses; adjust focusing ring; wait for environmental conditions to improve.
Display freezes or becomes unresponsive.	Software glitch; temporary malfunction.	Perform a hard reset by removing and reinserting batteries.

7. SPECIFICATIONS

Detailed technical specifications for the Pulsar Core FXQ38 Thermal Monocular:

Feature	Specification
Microbolometer Resolution	384x288
Frame Rate	50 Hz
Pixel Pitch	17 µm
Display Resolution	640x480
Display Type	AMOLED
Magnification	3.1x
Digital Zoom	2x
Objective Lens Diameter	32mm
Eye Relief	16mm
Field of View (ft@100yd)	51.6
Range of Detection	1475 yards
Battery Type	2x CR123

Feature	Specification
Battery Life	4 hours
Dimensions	7 x 2.6 x 2.5 inches
Weight	16.2 oz
Operating Temperatures	-25°C to +50°C
Waterproof Rating	IPX7
Shockproof	Yes (Large Caliber)


PULSAR

THERMAL TECHNOLOGY

Core FXQ38
Thermal Imaging Monocular
TECHNICAL SPECIFICATIONS

Microbolometer resolution	384x288
Frame rate (Hz)	50
Pixel pitch (µm)	17
Display resolution (pixels)	640x480
Display type	AMOLED
Magnification (x)	3.1
Digital zoom	2x
Objective lens diameter (mm)	32
Eye relief (mm)	16
Field of view (ft@100yd)	51.6
Range of detection (yds)	1475
Battery type	2x CR123
Battery life (hrs)	4
Dimensions (in)	7 x 2.6 x 2.5
Weight (oz.)	16.2



FEATURES

- Converts daytime riflescope into thermal riflescope
- Can be used as monocular or thermal clip-on device
- 382x288 resolution, 50hz refresh rate
- High resolution AMOLED display
- 1,475yd detection range (human)
- 2x digital zoom
- Manual, automatic, and semi automatic calibration modes
- Brightness and contrast control
- IRIS image optimization technology (Increased Recognition and Detection Software)
- Rock, forest, and identification viewing modes
- Green display with white-hot/black-hot viewing mode
- Defective pixel repair feature

INCLUDED ACCESSORIES

- Attachment's eyepiece
- Carrying case
- Torque screwdriver
- Wireless remote control
- Hand strap
- User manual
- Warranty card
- 2x CR123A Battery

PL76453

Figure 5: Detailed technical specifications for the Pulsar Core FXQ38.

8. WARRANTY AND SUPPORT

The Pulsar Core FXQ38 Thermal Monocular is covered by a **3 Year Limited Warranty**. Please refer to the included Warranty Card for detailed terms and conditions. For technical support, service, or warranty claims, please contact Pulsar customer service through their official website or the contact information provided on your warranty card. For additional resources and product information, visit the official Pulsar website: www.pulsarnv.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Email

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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