

Pulsar Telos XQ35

Pulsar Telos Thermal Imaging Monocular XQ35 User Manual

Comprehensive instructions for the setup, operation, and maintenance of your Pulsar Telos XQ35 Thermal Imaging Monocular.

INTRODUCTION

The Pulsar Telos Thermal Imaging Monocular XQ35 is an advanced device designed for thermal observation. It features a 384x288 thermal imaging sensor, Image Boost Technology, and a robust design for reliable performance in various environmental conditions. This manual provides essential information for operating and maintaining your device.



Figure 1: Pulsar Telos Thermal Imaging Monocular XQ35.

1. SETUP

1.1 Unboxing and Package Contents

Carefully unpack your Pulsar Telos XQ35 and verify all components are present. The standard package includes:

- Telos thermal imager
- LPS7i battery pack with protective cover
- Spare battery compartment cover
- Power adapter
- USB Type-C cable with USB Type-A adapter
- Case
- Hand strap

1.2 Battery Installation and Charging

The device uses an LPS7i battery pack. Ensure the battery is fully charged before first use.

1. Insert the LPS7i battery pack into the designated compartment on the monocular.
2. To charge, connect the USB Type-C cable to the monocular and then to the power adapter. Plug the adapter into a wall outlet.
3. Alternatively, the LPS7i battery pack can be charged directly via its own USB-C port or using Qi wireless charging.
4. A full charge provides up to 8.5 hours of continuous use.



| LPS 71 LI-ION BATTERY
Up to 8.5 hours of Continuous use

Figure 2: LPS71 Battery Pack and its typical usage duration.

2. OPERATING INSTRUCTIONS

2.1 Power On/Off and Basic Controls

Refer to the device's physical buttons for power, zoom, and menu navigation. A short press typically activates the device, while a long press initiates power off.



Figure 3: User demonstrating the compact and ergonomic design of the monocular.

2.2 Image Boost Technology

The Telos XQ35 features Image Boost Technology, which enhances thermal imaging for superior detection, particularly in low-light conditions. This technology processes the thermal signal to provide clearer and more detailed images.

2.3 Recording Photos and Videos

The monocular includes a built-in multimedia suite for capturing photos and videos in 1024x768 resolution. Consult the device's on-screen menu for recording options and playback.



10.7° wide field of view
for easy scanning

Figure 4: Thermal view demonstrating the 10.7° wide field of view for easy scanning.

2.4 Connectivity and Stream Vision 2 App

The Telos XQ35 supports dual-band Wi-Fi (2.4GHz, 5.0GHz) for connection to the Stream Vision 2 app. This app allows for real-time video streaming and media transfer. Ensure your mobile device's cellular data is temporarily disabled if experiencing connection issues, then re-enable after establishing Wi-Fi connection to the monocular.

2.5 Detection Range and Magnification

The device offers a detection range of up to 1,421 yards, suitable for long-range nighttime reconnaissance. It features a magnification range of 3-12x.



| DETECTION RANGE

1400+ Yard detection range

Figure 5: Illustration of the monocular's detection range capability.

3. MAINTENANCE

3.1 Cleaning the Device

To maintain optimal performance, keep the monocular clean. Use a soft, lint-free cloth to wipe the exterior. For lenses, use specialized optical cleaning solutions and cloths to avoid scratching. Do not use abrasive materials or harsh chemicals.

3.2 Storage

When not in use, store the device in its protective case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the battery is partially charged (not fully depleted or fully charged for long-term storage) to prolong its lifespan.

4. TROUBLESHOOTING

4.1 Common Issues and Solutions

- **Device not powering on:** Ensure the battery is correctly installed and fully charged.
- **Poor image quality:** Check if the lens is clean. Adjust focus settings.
- **Stream Vision 2 app connectivity issues:**
 - Ensure Wi-Fi is enabled on the monocular and your mobile device.
 - Temporarily disable cellular data on your mobile device before connecting to the monocular's Wi-Fi network. Re-enable after connection is established.
 - Verify the app is updated to the latest version.
- **Video transfer problems via app:** If direct transfer or viewing through the app is not functioning, connect the monocular to a computer using the USB-C cable to transfer media files.

5. SPECIFICATIONS

Key technical specifications for the Pulsar Telos Thermal Imaging Monocular XQ35:

Feature	Detail
Model Name	Telos XQ35
Thermal Imaging Sensor	384x288, <25mK NETD
Detection Range	1,421 yards
Magnification	3-12x
Display Resolution	1024x768 AMOLED HD
Video/Photo Resolution	1024x768
Battery Type	LPS7i Li-Ion (included)
Operating Time (max)	8.5 hours
Material	Magnesium Alloy
Waterproof Rating	IPX7 Submersion Rated
Item Weight	1.2 Pounds
Item Dimensions (LxWxH)	8.8 x 2.5 x 2.3 inches
Connectivity	Dual-band Wi-Fi (2.4GHz, 5.0GHz), USB Type-C



Figure 6: Key specifications including magnification, display, and waterproof rating.

6. WARRANTY INFORMATION

The Pulsar Telos Thermal Imaging Monocular XQ35 is covered by a **5 Year Limited Warranty**. For detailed terms and conditions, please refer to the official Pulsar website or contact customer support. Product registration may be required to activate the full warranty period.

7. SUPPORT

For further assistance, technical support, or service inquiries, please visit the official Pulsar website or contact their customer service department. Ensure you have your product model and serial number available when seeking support.

EXPORT CONTROL NOTICE: This product is controlled for export and in-country transfer under the Export Administration Regulations (EAR). Diversion contrary to U.S. law is prohibited.

Related Documents - Telos XQ35

 Manual del usuario Telos LRF XQ35/XP50/XG50/XL50	Manual del Usuario Pulsar Telos LRF XQ35/XP50/XG50/XL50 Guía completa del usuario para los monoculars de imagen térmica Pulsar Telos LRF (modelos XQ35, XP50, XG50, XL50), incluyendo especificaciones, características, operación, carga de batería, y solución de problemas.
 Naudotojo vadovas Telos LRF XQ35/XP50/XG50/XL50	Pulsar Telos XQ35/XP50/XG50/XL50: Naudotojo Vadovas ir Techninės Specifikacijos Išsamus Pulsar Telos XQ35, XP50, XG50 ir XL50 šiluminių monokuliarių naudotojo vadovas. Sužinokite apie technines specifikacijas, funkcijas, naudojimą, priežiūrą ir trikčių šalinimą.
 Naudotojo vadovas Telos LRF XQ35/XP50/XG50/XL50	Telos LRF XQ35/XP50/XG50/XL50 Naudotojo vadovas Išsamus „Pulsar“ Telos LRF šiluminių vaizdų monokuliario vadovas, apimantis technines specifikacijas, funkcijas, naudojimo instrukcijas, trikčių šalinimą ir priežiūrą.
 Telos Manual de usuario	Telos Manual de Usuario: Guía Completa para Monoculares Térmicos Pulsar XQ35, XP50, XG50 Explore las características, especificaciones y funcionamiento de los monoculars térmicos Pulsar Telos (modelos XQ35, XP50, XG50) con este manual de usuario detallado. Aprenda sobre su uso, mantenimiento y solución de problemas.
 Manuel d'utilisation Telos LRF XQ35/XP50/XG50/XL50	Manuel d'utilisation Pulsar Telos LRF XQ35/XP50/XG50/XL50 Guide complet pour les imageurs thermiques Pulsar Telos LRF (XQ35, XP50, XG50, XL50), couvrant spécifications, fonctionnement, maintenance et fonctionnalités avancées comme le télémètre laser et la connectivité Stream Vision 2.



[Manuale Utente Pulsar Telos XQ35/XP50/XG50/XL50](#)

Guida completa al manuale utente per i monoculari termici Pulsar Telos, inclusi modelli XQ35, XP50, XG50 e XL50. Copre specifiche tecniche, caratteristiche, funzionamento, ricarica della batteria e risoluzione dei problemi.