Pulsar Digex C50

Pulsar Digex C50 Digital Night Vision Riflescope Instruction Manual

Model: Digex C50 (PL76635L)

1. INTRODUCTION

The Pulsar Digex C50 is a digital day and night riflescope designed for various applications, including hunting, pest control, and forestry. It features a Full HD CMOS sensor with high nighttime sensitivity, providing clear and detailed images across different lighting conditions. The device offers full-color imaging during the day, color imaging in twilight without an auxiliary infrared illuminator, and bright monochrome imaging at night. An HD AMOLED screen ensures accurate color rendering and image detail. The integrated battery system provides extended operational time, and advanced ballistic adjustments support precise aiming and shooting. This unit includes a Digex-X850S IR illuminator.

Image 1.1: The Pulsar Digex C50 Digital Night Vision Riflescope with its integrated IR illuminator.

2. KEY FEATURES

- **24/7 Day and Night Operation:** Utilizes different lens and sensor modes for optimal image quality in all lighting conditions, from morning to deep night.
- **Extended Battery Life:** Equipped with two rechargeable batteries, providing up to 10 hours of continuous operation on a single charge.
- **Adaptive Night Imaging:** Firmware adjusts display brightness with the IR illuminator to prevent overexposure and enhance visibility of distant objects in complete darkness.
- **Stream Vision 2 with Wi-Fi:** Built-in Wi-Fi allows connection to Android/iOS smartphones via the Stream Vision 2 app for software updates, real-time image transfer, and remote control of digital functions.
- **Integrated Ballistic Calculations:** Advanced features for precise aiming and shooting.
- **Wide Field of View:** A 6.7° field of view enhances situational awareness.
- **Variable Magnification:** Offers 3.5-14x magnification for accurate targeting.
- **Detection Range:** Capable of detecting targets up to 940 meters.

PULSAR DIGEX C50

DIGITAL NIGHT VISION RIFLESCOPE

Premium HD Riflescope

FULL HD HD sensor

Wide 6.7° of FOV

Integrated Ballistic Calculations

Image 2.1: Overview of key features including HD sensor, wide FOV, and integrated ballistic calculations.

3. SETUP

3.1. Unboxing and Included Components

Carefully unpack the riflescope and verify all components are present:

- Digex Digital Riflescope
- APS2 rechargeable battery (3 pcs.)
- APS battery charger
- Mains charger
- USB cable
- IR illuminator (Digex-X850S)
- Carrying case
- Lens-cleaning cloth
- Quick operation manual
- Warranty card
- APS3 battery cover
- Allen wrench

3.2. Battery Installation and Charging

1. Ensure the APS2 rechargeable batteries are fully charged using the provided APS battery charger and mains charger.
2. Insert the charged batteries into the designated compartments on the riflescope. Refer to the quick operation manual for specific battery placement.

3.3. Mounting the Riflescope

The Digex C50 is compatible with rifle mounting systems, typically using a cantilever mount. Use the provided Allen wrench for secure installation.

1. Attach the appropriate mounting rings to your rifle's rail system.
2. Carefully place the Digex C50 riflescope into the rings, ensuring proper eye relief and alignment.
3. Tighten the mounting screws evenly to secure the riflescope without overtightening.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

Press and hold the power button (location specified in the quick operation manual) to turn the device on or off.

4.2. Day and Night Modes

The Digex C50 automatically adapts to lighting conditions. You can manually switch between full-color day mode, color twilight mode, and monochrome night mode as needed through the device's menu interface.

FULL
HD

The HD thermal sensor offers
an incredibly detailed image

REC 0:10

A ↑100m 🚫 ☾ B&W 🎤 3.5x 📡 ⏻ off 22:10 1 🔋 2 🔋

Image 4.1: Example of night vision display showing deer in a field.

4.3. Magnification Adjustment

Adjust the magnification from 3.5x to 14x using the controls on the riflescope. This allows for precise targeting at various distances.

With a magnification of 3.5-14x to ensure accurate shooting

Image 4.2: The riflescope's objective lens, highlighting its magnification capabilities.

4.4. Zeroing and Ballistic Adjustments

The Digex C50 supports up to 5 zeroing profiles, each with 50 distance coordinates. This allows for quick adaptation to different firearms or shooting scenarios.

- Access the zeroing menu through the riflescope's interface.
- Follow the on-screen instructions to adjust the reticle for accuracy at specific distances.
- Utilize the integrated ballistic calculations to compensate for bullet drop and windage.

Image 4.3: Illustration of the riflescope's ability to store multiple zeroing profiles.

4.5. Stream Vision 2 Connectivity

The integrated Wi-Fi module allows connection to the Stream Vision 2 mobile application.

1. Download the Stream Vision 2 app from your device's app store.
2. Enable Wi-Fi on the Digex C50 and connect your smartphone to the riflescope's Wi-Fi network.
3. Use the app to update firmware, stream live video, record footage, and remotely control device settings.

Image 4.4: A smartphone displaying the Stream Vision 2 app interface, connected to the riflescope.

5. MAINTENANCE

5.1. Cleaning

- Use the provided lens-cleaning cloth to gently wipe optical surfaces. Avoid abrasive materials.
- For the riflescope body, use a soft, damp cloth. Do not use harsh chemicals or solvents.
- Ensure all caps and covers are in place when not in use to protect lenses and ports.

5.2. Storage

- Store the riflescope in its carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- Remove batteries if storing for extended periods to prevent leakage.

6. TROUBLESHOOTING

This section addresses common issues. For more complex problems, refer to the full user manual or contact customer support.

- **Device does not power on:** Ensure batteries are fully charged and correctly inserted. Check for any physical damage to the battery compartment or contacts.

- **Poor image quality:** Verify that lenses are clean and free from condensation. Adjust focus and brightness settings. Ensure the correct operating mode (day/night) is selected.

- **Wi-Fi connection issues:** Confirm the Stream Vision 2 app is updated. Restart both the riflescope and your smartphone. Ensure your phone is within range of the riflescope's Wi-Fi signal.

- **IR Illuminator not functioning:** Check if the IR illuminator is properly attached and powered on. Ensure its battery (if separate) is charged.

7. SPECIFICATIONS

Feature	Specification
Brand	Pulsar
Model Name	Digex C50
Part Number	PL76635L
Style	Digital
Material	Magnesium Alloy
Product Dimensions (LxWxH)	16.06" x 3.07" x 3.26"
Item Weight	4 Pounds
Magnification Minimum	4 x
Magnification Maximum	16 x
Objective Lens Diameter	50 Millimeters
Night Vision	Yes
Compatible Devices	Rifle
Mounting Type	Cantilever Mount
Reticle Type	Multi
UPC	812495029073

Image 7.1: Illustration indicating a detection range of up to 940 meters.

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Pulsar Digex C50 Digital Night Vision Riflescope comes with a **3 Year Limited Warranty**. Please refer to the warranty card included in your package for full terms and conditions. Retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, service, or warranty inquiries, please contact Pulsar customer support. Contact information can typically be found on the manufacturer's official website or on the warranty card.

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

Related Documents - Digex C50

Digex C50
Manual

[Digex C50 Thermal Imaging Riflescope Manual](#)
Comprehensive user manual for the Pulsar Digex C50 thermal imaging riflescope, detailing specifications, setup, operation, and maintenance.

[Pulsar Digex C50 Digital Riflescope Manual](#)
Comprehensive user manual for the Pulsar Digex C50 digital riflescope, covering specifications, features, setup, zeroing, operation, functions, maintenance, and troubleshooting for hunting and target shooting.

[Pulsar Digex S IR Illuminator Manual: Installation, Operation, and Specifications](#)
Comprehensive manual for the Pulsar Digex S IR illuminator, covering installation, battery management, operation, maintenance, troubleshooting, and technical specifications for Digex digital riflescopes.

[Pulsar Thermion XM30 Thermal Riflescope Manual](#)
Comprehensive user manual for the Pulsar Thermion XM30 thermal imaging riflescope, covering specifications, features, operation, battery management, and troubleshooting.

[Pulsar Thermion 2 XG50 Thermal Imaging Riflescope User Manual](#)
Comprehensive user manual for the Pulsar Thermion 2 XG50 thermal imaging riflescope, detailing specifications, features, operation, zeroing, maintenance, and troubleshooting for optimal performance in various conditions.

PULSAR THERMION Manual

Pulsar Thermion XQ38 Thermal Riflescope User Manual

This manual provides comprehensive instructions for the Pulsar Thermion XQ38 thermal imaging riflescope, covering its advanced features, technical specifications, operation, zeroing procedures, and troubleshooting for optimal performance in hunting and observation.