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› Bushnell Equinox Z2 Night Vision Monocular (EX650, 6x50mm) User Manual

Bushnell EX650

Bushnell Equinox Z2 Night Vision Monocular User Manual

INTRODUCTION

This manual provides comprehensive instructions for the proper use and care of your Bushnell Equinox Z2 Night Vision Monocular. Please read this document thoroughly before operating the device to ensure optimal performance and longevity.



Image: The Bushnell Equinox Z2 Night Vision Monocular, a device designed for enhanced viewing in low-light conditions.

PRODUCT OVERVIEW

Key Features

- **6x Magnification and 50mm Objective Lens:** Provides clear and detailed viewing.
- **Integrated IR Illuminator:** Enables visibility up to 1,000 feet in complete darkness.
- **Live Video Streaming:** Stream real-time footage directly to your mobile device.
- **Remote Control Capabilities:** Control zoom, video recording, image capture, and IR brightness via a mobile application.
- **High-Quality 1080p Video Capture:** Record clear video footage during both day and night.
- **Manual Focus:** Allows for precise focus adjustment for optimal image clarity.
- **Digital Zoom:** Supplements optical magnification for closer views.

Included Components

- Bushnell Equinox Z2 Monocular
- Carry Case
- Instruction Manual



Image: A three-quarter view of the Bushnell Equinox Z2 Night Vision Monocular, highlighting its ergonomic design and control buttons.

SETUP

Battery Installation

The Bushnell Equinox Z2 Monocular requires four (4) AA batteries for operation. To install, locate the battery compartment, open it, and insert the batteries according to the polarity indicators (+/-). Close the compartment securely.

Initial Power-On

After battery installation, press and hold the power button located on the device. The display will illuminate, indicating the device is powering on. Allow a few moments for the system to fully initialize before use.

OPERATING INSTRUCTIONS

Power On/Off

To power on the monocular, press and hold the power button. To power off, press and hold the power button again until the display shuts down completely.

Focus Adjustment

Rotate the objective lens (front lens) to achieve a sharp and clear image for objects at varying distances. Fine-tune the focus until the image appears crisp.

IR Illuminator Control

Activate the built-in Infrared (IR) illuminator for enhanced viewing in low-light or no-light conditions. The IR brightness can be adjusted to prevent overexposure of closer objects, ensuring optimal visibility.

Day and Night Mode

The digital night vision system allows for seamless transition between day and night viewing. For day use, the objective lens cap can remain on to protect the sensor, as the digital system is less sensitive to bright light.

Zoom Function

The monocular features 6x optical magnification and an additional 3x digital zoom. Use the zoom controls to adjust

your field of view and bring distant objects closer for detailed observation.

Mobile Device Connectivity

The device supports live video streaming to your mobile device. Download the dedicated Bushnell mobile application to connect and remotely control functions such as zoom, video recording, image capture, and IR brightness.

Your browser does not support the video tag.

Video: A product summary video demonstrating the features and operation of the Bushnell Equinox Z2 Night Vision Monocular.

MAINTENANCE

Cleaning the Lenses

Use a soft, lint-free cloth specifically designed for optical lenses to clean the objective and eyepiece lenses. Gently wipe the lens surfaces to remove dust, fingerprints, and smudges. Avoid using abrasive materials or harsh chemical cleaners, as these can damage the lens coatings.

Storage

When not in use, store the monocular in its provided carry case to protect it from dust and physical damage. Keep the device in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, remove the batteries to prevent potential leakage and damage to the device.

General Care

Handle the monocular with care to avoid dropping it or subjecting it to severe impacts. Protect it from excessive moisture and humidity. Regularly inspect the device for any signs of wear or damage.

TROUBLESHOOTING

No Power

- Ensure that the 4 AA batteries are correctly installed with the proper polarity.
- Verify that the batteries are fully charged or replace them with fresh ones.
- Check the battery compartment for any corrosion or debris that might interfere with contact.

Poor Image Quality

- **Blurry Image:** Rotate the objective lens to adjust the focus until the image is sharp.
- **Overexposed Image:** If the image appears too bright, adjust the IR illuminator brightness settings or turn it off, especially for close-range viewing.
- **Dirty Lenses:** Clean the objective and eyepiece lenses using a soft, lint-free optical cloth.

Mobile Connectivity Issues

- Ensure your mobile device's Wi-Fi is enabled and connected to the monocular's designated network.
- Verify that the Bushnell mobile application is installed and updated to the latest version.
- Restart both the monocular and your mobile device, then attempt to reconnect.

SPECIFICATIONS

Feature	Specification
Brand	Bushnell
Model Name	EX650
Objective Lens Diameter	50 Millimeters
Product Dimensions (D x W x H)	3.86"D x 2.52"W x 7.52"H
Focus Type	Manual Focus
Item Weight	1.68 Pounds
Compatible Devices	Mobile Device
Mount	Tripod Mount
Number of Batteries	4 AA batteries required
Field Of View	20 Feet
Zoom Ratio	6 multiplier x
Additional Features	Live video streaming to mobile device, IR illuminator for clear viewing up to 900 feet
UPC	029757004574
Manufacturer Part Number	260250



Image: A side view of the Bushnell Equinox Z2 Night Vision Monocular, illustrating its compact form factor and tripod mount point.

WARRANTY & SUPPORT

Warranty Information

The Bushnell Equinox Z2 Night Vision Monocular is backed by a Lifetime Warranty. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the official Bushnell

warranty documentation.

Contact Support

For technical assistance, troubleshooting guidance, or to initiate a warranty claim, please visit the official Bushnell website or contact their customer support directly. Contact details can typically be found in the product packaging or on the manufacturer's website.