

Bushnell®

NIGHT VISION INSTRUCTIONS

Lit. #: 06-1729/03-01



1.7x29 Compact Monocular With Built-In Infrared Illuminator

SPECIFICATIONS

Image Magnification	1.7x
Objective Size	29mm
Viewing Range	1 - 225 ft.
FOV (ft. @ 100 yds.)	121

Congratulations on the purchase of your Bushnell Night Vision Product. Bushnell Night Vision products are comprised of high quality image intensifier tubes and optics. Bushnell Night Vision products amplify existing light, allowing you to see in dark conditions too dark for the naked eye.

HOW NIGHT VISION WORKS

Bushnell Night Vision products collect and amplify existing light through the objective lens, which is then focused on the image intensifier. Inside the intensifier, a photocathode is "excited" by the light and converts the photon energy into electrons. These electrons accelerate across an electrostatic field inside the intensifier and strike a phosphor screen (like a green monochrome TV screen) which emits an image that you can see. It is the acceleration of electrons, which provides gain and enhances the image. This particular product is a Generation I device.

GETTING STARTED

Installing Batteries

- Open the Battery Compartment Cover.
- Connect a 9V battery to the connector and place it inside the compartment.
- Close the Battery Compartment Cover.

Using The Power Button

- Never turn the scope on in daylight conditions with the lens cap off. The pinhole in the lens cap allows you to test the scope in daylight conditions.
- To use the scope, depress and hold the Power Button located near the eyepiece.
- After you release the Power Button, the image will slowly fade out. This is normal and is not a defect.

To Focus

- First, remove the Lens Cap.
- Adjust the Objective Lens Focusing Ring to infinity.
- While looking at a distant object (at least 36 ft. away), adjust the Eyepiece Focusing Ring for the sharpest image.
- Once the Eyepiece Focusing Ring is adjusted, you need only adjust the Objective Lens Focusing Ring as needed.

To Activate The IR Illuminator

- Your Bushnell Night Vision Product includes a built-in infrared illuminator. This allows you to see in complete darkness when no ambient light source is available.
- Pressing the momentary power button also activates the infrared illuminator.

TROUBLESHOOTING

Spots in the Image.

You may see spots in the image. These vary from scope to scope and are cosmetic blemishes inside the scope. These are normal for Night Vision scopes and are not a defect.

Scope will not turn on.

Check that the batteries are installed properly. Replace the batteries with new ones. Check the battery contacts to ensure they are clean and free of corrosion. Press and hold the power button firmly and completely.

Image is not focused.

Adjust the focus on the Focusing Eyepiece. Adjust the Objective Lens Focusing Ring. You must be at least 1 ft. (30.5 cm) from the subject you are viewing. If still no improvement, clean the lenses; they may be foggy or dusty. (See To Focus).

Image is very faint or dim.

Replace the battery in the Illuminator with a new one.

Visibility decreases or disappears.

Bright light sources such as headlights may cause visibility to degrade or disappear completely. Release the Power Button and turn the scope away from the light source. The unit will restore itself in 1 or 2 minutes. Conditions such as fog or extremely dark environments will decrease visibility.

Scope flashes.

The scope may flash when used in a bright environment. It may also flash during the first few seconds of use in dark environments.

CARE & MAINTENANCE

- When not using for an extended amount of time, remove batteries and store the product in a dry location.
- Avoid turning the product on in extremely bright light conditions.
- Handle this product like you would a camera. Though Bushnell Night Vision products are durably constructed, the image intensifier tube consists of glass and is subject to breakage.
- Keep the optics clean. We recommend using a camera cleaner kit to clean the outside of the objective and eyepiece lenses. Follow the directions with the kit.
- Do not disassemble this product. Unauthorized disassembly not only voids the warranty but may also cause damage from the lack of special tools and techniques.

WARRANTY / REPAIR

TWO-YEAR LIMITED WARRANTY

Your Bushnell™ product is warranted to be free of defects in materials and workmanship for two years after the date of purchase. In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse, improper handling, installation, or maintenance provided by someone other than a Bushnell Authorized Service Department.

Any return made under this warranty must be accompanied by the items listed below:

- 1) A check/money order in the amount of \$10.00 to cover the cost of postage and handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Proof of Date Purchased
- 5) Product should be well packed in a sturdy outside shipping carton, to prevent damage in transit, with return postage prepaid to the address listed below:

IN U.S.A. SEND TO:

Bushnell Performance Optics
Attn.: Repairs
8500 Marshall Drive
Lenexa, Kansas 66214

IN CANADA SEND TO:

Bushnell Performance Optics
Attn.: Repairs
25A East Pearce Street, Unit 1
Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States or Canada please contact your local dealer for applicable warranty information. In Europe you may also contact Bushnell at:

33 141 44 94 80
Bushnell Performance Optics Germany GmbH
Morsestrasse 4
50769 - Cologne
Germany

This warranty gives you specific legal rights.
You may have other rights which vary from country to country.

©2002 Bushnell Corporation