

NVG-7



u s e r ' s g u i d e



FEATURES

- High Quality US 2nd or 3rd gen. light intensifier tube
- Super fast lens system provides the user with a clear and sharp image
- Dual eye viewing system for long viewing sessions
- Built-in Infra Red illuminator lets you see even in total darkness
- Interchangeable lenses for different magnification
- Head or helmet mounted for hands free use
- Rugged and versatile design
- Easy to use digital controls
- Two years warranty (optional extended warranty)

SPECIFICATIONS

Magnification	1X (4X with doubler)
Intensifier tube	US Gen. 2+ or Gen.3
Detection range	100(Gen.2) or 180(Gen.3) m/y
Recognition range	150(Gen.2) or 200(Gen.3) m/y
Lens System	35 mm; F1:1.2
Field of view	40°
Range of Focus.....	0.25m to ∞
Power Supply.....	1.5 volt AA size
Battery Life	10 hours
Operating Temp	-30°F to +110°F
Dimensions.....	172x62x102 mm (6.7" x 2.5" x 4")
Weight.....	0.45kg (0.9 lb)

APPLICATION

Compact and lightweight, the NVG-7 night vision goggles are similar to the widely available PVS-7 goggles (standard PVS-7 is 50% heavier and 100% larger). Rugged (metal not plastic), and a top-notch performer the NVG7 is an exceptional choice for hands free usage.

The NVG-7 goggles have a built in IR for total darkness with indicator "ON" light within the FOV and a flip-up headset.

The NVG7 is available with a wide range of image intensifier options to meet a wide array of specification requirements.

The NVG-7 night vision goggles is a complex optoelectronic system for individual use. The device consists of the objective lens assembly, eyepiece and the body. The body contains a image intensifier tube assembly with an integrated high voltage power source and the battery housing.

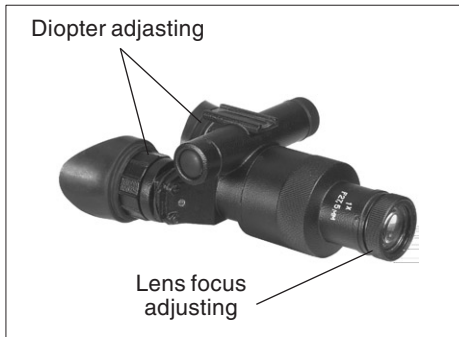
Objective lens protective cover (not shown) is intended to protect the objective lens from dust and scratches. It also will act as a daylight filter, allowing you to test the scope in daylight or other bright light situations. The pinhole in the center of the protective cover allows the user to check the operation ability of the device in daylight conditions.

NOTE: Do not test the scope in daylight conditions even with the daylight filter/lens cap on for more than ten (10) minutes.

OPERATION

- Take the monocular out of the case.
- Install the battery into the housing with the polarity order as shown on the scope. Battery Type: 1.5 Volt, AA size .
- Press the button (short press - less than 1.5 sec.) to turn the unit on by the protective lens cover still attached to the lens. **Do not turn the unit on in the daytime without the protective lens cap on.** You should see green glow in the eyepiece.
- Observe the scene and adjust the diopter for optimal image clarity.
- You may now enter a dark environment or simply shut the lights off in order to darken the room.
- Next, remove the lens cap/daylight filter. Adjust the front lens for the distance of the focus. You should not have to readjust the diopter.
- To turn the unit off, push the button again by short press (less than 1.5 sec.).

FOCUSING



To focus the NVG-7, first you will need to adjust the diopter. Simply turn the diopter clockwise until it stops. Then, while looking through the diopter at an object, slowly turn the diopter back counter clockwise until the grain in the image is sharp.

NOTE: We suggest that you focus the diopter during daylight with the filter on.

Next focus the front lens until the image and the grain are both sharp. When you are in low-light conditions and the daylight filter is off, you may focus the front lens to receive sharp image, the diopter should not be adjusted.

NOTE: The front lens should be readjusted as you view objects at different distances.

INFRA-RED ILLUMINATOR



Infra-red illuminators, or IR illuminators, are common to night vision. The IR light greatly enhances the performance of the NVG-7 while remaining almost totally invisible to the naked eye.

The NVG-7 goggles have a built in IR with indicator "ON" light within the FOV. To turn the IR on, push the button by long press (more than 1.5 sec.). It is important to remember that the IR illuminator is simply an infra red light source, and like any light source, it may lose its effectiveness over a great distance.

To turn the IR off, push the button again by long press (more than 1.5 sec.).

NOTE: The IR will automatically turn off when the unit's power is turned off.

FLIP-UP HEADSET

PART I

- 1) The first step that you want to take in mounting NVG-7 on your head is to fit the headgear to your size. Adjust the headgear first before attaching the NVG-7 to it.
- 2) Loosen all the straps and place the headgear on your head.
- 3) You will want to tighten the straps.

PART II

Now you are ready to mount the NVG-7 on to your headgear.

- 1) Remove the already adjusted headgear from your head.
- 2) Slide the NVG-7 on to the rail.



F100 FRONT LENS *(optional)*



F100 Front Lens

The NVG-7 with F100 front lens can be used as a powerful night vision bi-ocular. To change the front lens unscrew the front lens off the body of the NVG-7 (make sure that the unit is turned off). Screw the F100 lens.

STORAGE AND CARE

- If the device is not to be used for extended period of time (more than 10 days) remove the battery.
- Avoid touching lenses. If fingerprints or traces of dirt or dust appear, clean their surface with a Photographic lens cleaning tissue.
- Keep lens cap/daylight filter on when not in use.
- The NVG-7 is not harmful to the user or the environment.
- Do not disassemble except to clean the front lens and eyepiece: **it will void your warranty.**
- Evaluate the scope function by looking through it in a lit environment **with the daylight filter lens cap on. Never use in daylight without the daylight filter lens cap on.**
- **Never point the NVG-7 at a bright light source.**
- Adverse atmospheric conditions such as fog, smog, or haze and a lack of ambient light (moon or starlight) may diminish the effective viewing distance.

TROUBLE SHOOTING

Q: Flashes, flickers, or clicking occur while operating

S: If it occurs within the first five minutes of inserting new batteries, it is normal and the device will resume normal operation soon thereafter. If it occurs for more than 10 minutes, contact for service instructions.

Q: Dark spots on screen.

S: These are either cosmetic blemishes in the intensifier tube or dust particles.

Q: Screen becomes darker than at previous use.

S: Replace batteries. If problem persists, contact your dealer or other authorized service representative for service instructions.

Q: Image not clear.

S: Adjust objective lens, and/or the eyepiece.