

# *Night Vision Goggles*

## **NVG-H1**

### **User's Guide**



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**Before operating this device, please read this guide completely and retain it for future reference.**

#### **SAFETY INSTRUCTIONS**

1. Read all these instructions.
2. Do not use these Night Vision Goggles in daylight with lens cover removed. It may damage the NVG-H1.
3. Avoid aiming these Night Vision Goggles to a bright light source.
4. Do not store these Night Vision Goggles out of the case.
5. Remove the battery out of the battery compartment if the Night Vision Goggles are not in use for a long time.
6. Never reassemble the unit. This Night Vision Goggles contains high-voltage parts. You may suffer electric shock if you touch these parts. If any problems appear, call your authorized dealer.
7. Use only damps cloth to clean the unit surface.
8. Always handle the unit with care. Avoid shocks, dust and dampness.

## INTRODUCTION

Thank you for purchasing our Night Vision Goggles (NVG-H1).  
The following list contains all items included in the **NVG-H1** package:

- NVG-H1
- Carrying case
- User's guide
- Lenses (optional)
- Mounting (optional)

The NVG-H1 goggles are a binocular, complete in itself. A little moonlight is sufficient for clear vision. NVG-H1 contains two residual Gen.2+ or Gen. 3 light image intensifier tubes. These goggles were designed for multipurpose night observation and fitted to the head with quick-action fasteners, so the wearer does not need to use his hands to support them. An integrated IR light source can be switched on to enable you to see in complete darkness. Changeable lenses are available for obtaining different amplification.

- Repair or attempted repair by anyone not authorized by the manufacturer.
- Use of supplies or parts not meeting manufacturer's specifications.
- Any other cases which do not relate to the product defect.

**Please contact your dealer for any warranty information and service.**

## MANUFACTURER'S WARRANTY

### What the warranty covers:

The manufacturer warrants its products to be free from defects in material and workmanship during the warranty period. If the product proves to be defective in material or workmanship during the warranty period, the manufacturer will at its sole option repair or replace the product with a like product.

### How long the warranty is effective?

- The NVG-H1 is warranted for twelve (12) months for all parts and twelve (12) months for all labor from the date of the first consumer purchase.
- The device is to be kept in a case in dry heated and ventilated room with relative air humidity up to 80% under temperature from 5° to 30°C.

### Who the warranty protects:

The warranty is valid only for the first consumer purchaser.

### Warranty does not cover:

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
- Accident, misuse, neglect, fire, water, lighting or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.

## TECHNICAL DATA

Objective / Lens	F26 / 1.2
Magnification	1,02 ± 0,1X
Field of View	38°±2°
Eye-distance	52...72 mm
Ocular pupil diameter	8 mm
Eye pupil distance	35...42 mm
Diopter adjustment, diopters.	±4.
Batteries / rechargeables	3V / 2 x AA batteries
Outer power source	4.7 - 29,4 B
Operating time (without IR) 20°±5°C	60 h.
Operation temperature, °C	-30 ... + 50
Tube, Gen.	3
Tube Sensitivity	1800
Dimensions/measurements, mm	145 x 144x137
Weight	0,69

## DESCRIPTION

The general view of the NVG-H1 is presented in Figure 1 and Figure 2



Figure 1

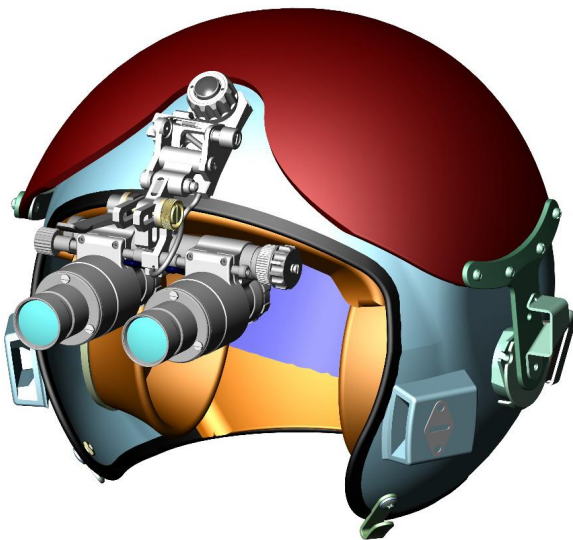


Figure 2

**Attention! Black spots in the device screen are normal to all night vision and do not hinder the viewing or performance.**

The NVG-H1 has common body (1), which contains two image intensifier tubes of the first generation and the battery compartment. The lenses (4) and the eye-pieces (2) are jointed with the body (1) by threaded connections.

### **Controls:**

The NVG-H1 has one three-way rotary switch (7). To switch on the NVG-H1 it is necessary to turn switch (7) clockwise to the first position. If you want to switch on the IR searchlight, turn switch (7) to the next position. To switch off the IR searchlight and the NVG-H1 turn switch (7) back to the point of departure.

## DESCRIPTION

***Make sure that the lens' covers tire on before switching ON the NVG-H1 in daylight! There are 1.2-mm diameter holes in the lens' covers to test the NVG-H1 in daylight.***

### **Daylight testing.**

- Insert batteries (see above).
- Make sure that the lens covers are on.
- Switch on the NVG-H1: turn the rotary ON/OFF switch (see figure 1) clockwise to the first position.
- Use rings (3) and (5) (see figure 1) to focus the picture.

### **To test the IR searchlight.**

***Complete darkness is necessary to test the IR searchlight!***

- Insert batteries (see above).
- Switch off the light and make sure that there are no light sources in the room.
- Remove the lens covers (see figure 1).
- Switch on the NVG-H1.
- Switch on the IR searchlight.
- A bright light spot must appear able in the field of view.

### **To mount the NVG-H1 on the head mask.**

1. Remove the decorative cover.
2. Turn screw (1) (see figure 2) anti-clockwise until stop.
3. Press button (2) (figure 2); insert the mounting adapter sledge into the NVG-H1 mounting slot and release button (2).
4. Move the NVG-H1 along the sledge to the most comfortable position and tighten screw (1).
5. Adjust head mask straps for the most comfortable wearing.
6. To "flip-up" the NVG-H1 press the rotations enable button (see figure 2) and turn the NVG-H1 to the top position.