

## NIGHT VISION DEVICE NVD-KOF3S2

The NVD-KOF3S2 D/N is a high-grade generation 2+ riflescope intended to meet the needs of night vision and daylight application. Based on the compact design the NVD-KOF3S2 D/N allows shooting in daylight and at night without dismounted of riflescope and adjustment of mark. The unique riflescope has a super flat image by all field of view, red-lit reticle with regulation of brightness; built-in focusable powerful IR illuminator and light overload (flash) protection-automatic shut off.

### SPECIFICATIONS

1. Generation	2+
2. Magnification	6X
3. Max. viewing distance at night (0.005Lx)	(F1.5/110)mm
in daylight	500m
in active mode	700m
4. Resolution at night	300m
5. Field of view	40 lp/mm
6. Gain	8 deg.
7. Power of radiation of IR illuminator	20 000
8. Angle of radiation	100mW
7. Diopter adjustment	2-8 deg.
8. Sighting line correction scale value	+/-3
in the vertical and in the horizontal	3 cm on a distance
9. Power supply	of 100 m
10. Battery life w/o illuminator	3V, CR123A
with illuminator	50 hrs
11. Operating temperatures	8 hrs
12. Dimensions	-30...+45deg.C
13. Weight	(290x100)mm
14. Shock	1.35kg
	600 G

**CAUTION!** As the rifle scope is the high-sensitivity device, it is strictly forbidden to include the device in the daylight and at illumination higher than 0.5 lx. Long over-light can lead to saturation of the screen, reduction of resolution and irreversible reduction of sensitivity of the photocathode.

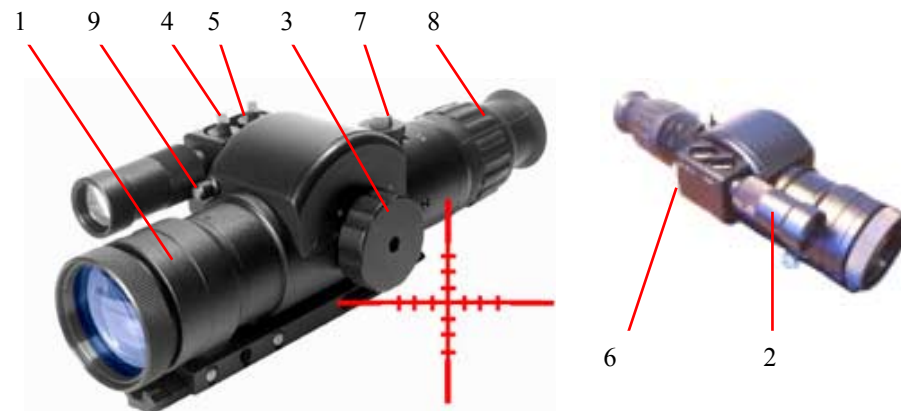
The rifle scope is supplied with automatic protection; however protection does not work on dot light sources at night (headlights, lanterns, etc.). Do not direct a sight at dot light sources more than on 10-15 cek.

**ATTENTION! Protection can be disconnected at mounting a lid. It is recommended to mount the lid of protection (disconnect protection) only at night during using the rifle scope. After using the rifle scope the lid must be removed (protection is turned on).**

**For non-observance of the above-mentioned conditions the manufacturer does not bear warranty obligations.**

### OPERATION

1. Install the battery CR123A or analogue into cell compartment (6), observing the polarity.
2. To switch on the riflescope in the night mode, turn wheel (3) to token "N", then switch on the image tube (5) and mark (4). Switch (4) has two positions of brightness of the mark
3. Aim it at choosing target and by focusing objective (1) and eyepiece (8) try to achieve a bright image of a target.



4. To switch on the riflescope in the daylight (twilight) mode, switch off the image tube (5) (if it was switched on) and turn wheel (3) to token "D" and make the item № 5.
5. **The built-in photo-resistor (9) protects the image tube from flash and light overload. It operates from illumination 1-5 lx (the twilight) and higher.**
6. Mount the riflescope on a rifle. The adjustment of sighting line is performed at ranging the weapon by turning flywheels (7). Perform ranging the weapon by shifting the sighting mark at the flywheels.
7. To aim the gun onto the target, one should align the lit reticle with chosen target.
8. Under full darkness, or at illumination levels lower than 0.001lux, switch on the IR illuminator (2). To extend the service life of cell it is advisable to switch IR illuminator on only in case lower than 0.001lux. If the natural illumination exceeds 0.001lux, the sight provides for a sufficiently satisfactory range of vision.

The sight has no any parallax at work in a night mode. However in a day time mode of operation can be parallax as the optical system has the big depth of sharpness. Precisely it is necessary to adjust an objective and an eyepiece for elimination parallax. The parallax can be cause of not exact shooting.