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BNVD 4G

Ultra Light Binocular Night Vision System



BNVD 4G is a binocular night vision device optimized for shooting operations (a wide angle of a side rotation; automatic switch-off if rotated to the side / over the helmet). The FOM of 12 tubes with white phosphor is higher than 2000 which guarantees both high resolution with a minimum noise and less eye strain than with usual green phosphor. The Autogating regulates gain automatically thus protecting the device against damage and the user's eyes against bright light sources. IR illumination focusing lens provides range up to 100 m. BNVD 4G is used with standard interfaces (Horn or Dovetail) to be compatible with various helmet mounts. BNVD 4G device "sees" SWIR pointers that are invisible to cell phone cameras or standard NVGs.



- waterproof, ultra light night vision device (< 500g)
- wide range of accessories: SWIR or thermal imaging module, external battery box switching automatically to internal battery (HALO / HAHO, vehicles driving), lens magnifiers, ...
- used as monocular (the arm is rotated up and switched off automatically)
- Lo-Sto helmet mount for Dovetail or Horn interfaces
- IR illumination focusing
- powered by AA battery
- manufactured and serviced in the Czech Republic



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Specifications



Parameter	BNVD 4G
Magnification	1x
Field of View	40°
Man-size target detection	min. 200m (3mlx illumination according to STANAG 4348)
Focus range	25cm to ∞
Diopter adjustment	+ 2D to - 6D
Indicator	low battery, IR illumination enabled (in each channel)
Infra-Red illumination	yes, with optional focusing
Power source / battery life	1 x AA alkaline battery 16 hrs
	1x AA lithium battery 30 hrs
Afocal lens magnifier	yes (x3 magnification)
Operation Temperature	- 20°C to + 50°C (95% relative air humidity)
Storage Temperature	- 57°C to + 72°C
Weight	< 500g (including AA battery)

