

NVS 18

QUAD TUBE GROUND PANORAMIC
NIGHT VISION GOGGLES



Display

The NVS 18 QUAD Panoramic Night Vision Goggle, provides users wide field-of-view, helmet-mounted device with either green or white phosphor technology for improved target detection and recognition, 120 FOV allows for quick DIR (Detection, Identification, Reaction) under adverse conditions and is ruggedized for ground applications. The most striking feature of the NVS 18 is the presence of four separate image intensifier tubes with four separate objective lenses arrayed in a panoramic orientation. The center two, giving the operator more depth perception, while two point slightly outward from the center to increase peripheral view. They can also be easily removed and operated as independent handheld viewers. The IPD of the two system can be adjusted on the helmet mount.

IIT	NVS 18
Generation	3
Lens system	F1.18 22.5mm
Optical distortion	3% Max
Relative illumination	>75%
Optics	
Magnification (x)	1
Field of view (°)	H: 120+ V: 50+
Focus range (m)	0.25 to ∞
Coaxiality	<0.1°
Eye relief (mm)	30
Diopter	-1 (+0.5~2.5)
Mechanics, Electronics & Environmental	
Dimensions (mm)	155x136x83
Weight without batteries (g)	880
IPD adjust type	Arbitrary continuously adjustable
IPD adjust range	50 - 85mm
IPD lock type	Manual lock
IR	850nm 20mW
Battery type	Lithium battery (CR123Ax1) External battery packs (CR123Ax4)
Battery life (hours)	30-80
Battery capacity	800-3200mAh
Power supply	2.6-4.2V
Power dissipation	<0.2W
Aperture	8mm
Temperature range (°C)	-40 to +55
Humidity range	5% - 95%
Waterproofing	IP67
Installation	Head/Helmet
Control mode	ON/IR/Auto/OFF

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DELIVERY SET

Supplied with the following standard accessories:

- Padded soft carrying case
- 2x CR123 batteries
- Battery pack
- Lens cover
- Lens cleaning cloth
- Counter weight
- Operation manual



Rear view



Optional mounts available



Delivery set



Optional head gear