



PHOTONIS



NVLS has created the new reference in panoramic NVG.

This **light weight and super compact ruggedized (metallic light alloy bridge)**, night vision panoramic goggle includes 4 ultra high performance Photonis 4G Image Intensifier Tubes, providing a super wide FOV of 104° to the operators. The configuration keeps two paired tubes in front, with inter pupillary adjustment, and two lateral tubes providing peripheral vision.

The **EXTREME VISION PNVG** has a dovetail (BNVS) helmet mount setup for attachment to the NVLS 24 flip up universal adapter on any standard VAS shroud, providing full range of positional adjustment.

The **EXTREME VISION PNVG** is powered by a remote battery pack, tethered to the main unit. The pack works with two or 4 AA batteries, that provides power for 25 hours (alkaline). The remote battery pack provides a secondary function as a counterweight.

The close cooperation between NVLS and PHOTONIS makes it possible to install the smallest and most sensitive image intensifier tube in the world:

The new 18mm 4G autogated image intensifier tube (High FOM). The result is a high performing and ultra small night vision sensor, suitable for reconnaissance and combat operations in all environments.

The main distinctive factors of the **EXTREME VISION PNVG** are:

- Lowest size and weight worldwide.
- Rugged (light alloy).
- Fully balanced construction
- Biggest FOV and zero overlap loss due to individually collimable channels
- Extended spectral sensitivity due to new generation optics and 4G image intensifier tubes with FOM > 2000 or 2200
- Fully Autogated and worlds smallest halo.
- Integrated frontal IR illuminator
- 2 Integrated IR beacons
- 2 power outputs for additional powering of IR fusion device
- NON ITAR

Optical specs	
MAGNIFICATION	1x
HORIZONTAL FOV	> 104°
VERTICAL FOV	40 ±1°
FOCUS RANGE	20 cm to infinity
F#	1.14
EYE RELIEF	28mm
SPECTRAL SENSITIVITY	350nm to 1100nm
TUBE TYPE	Four 18mm 4G tubes-black & white
GENERATION:	4G PHOTONIS (non ITAR)
FIGURE OF MERIT	Min. 2000 or 2200 (selectable)
RESOLUTION:	70 lp/mm typical
HALO:	< 0,7mm (Spot 0,2 mm)
AUTOGATING:	Photonis fast autogating. Very fast and high resolution. It maintains 56 lp/mm resolution in high light conditions.

Electrical and material specs	
POWER SUPPLY	4 x1,5 AA batteries (alkaline or lithium)
BATTERY LIFE	approx. 30 hours (lithium)
CONSTRUCTION:	Light metal alloy bridge

Environmental specs	
TEMPERATURE RANGE OF USE	-45°C to +60 °C
TEMPERATURE RANGE FOR STORAGE	-51°C to +70 °C
HUMIDITY	92% at 42°C / 24 hours
SPECIFICATION	MIL-STD-810G

Dimensions and weight	
L / W / H	< 10 / 21 / 9 cm
WEIGHT OF GOGGLE	< 760 gram

The basic kit includes:
EXTREME VISION PNVG, remote battery pack, connection cable, dioptic correction kit, sacrificial objective lenses, NVLS 24 flip up universal adapter, counterweight pack, hard storage box, padded transport case, cleaning kit, 4x AA batteries



NVLS EXTREME VISION PNVG



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