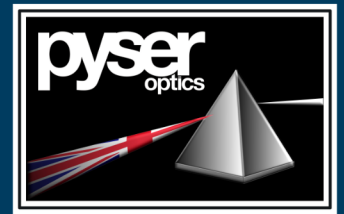


# BNVG



## DUAL NIGHT VISION GOGGLES



### *Engineered with the highest grade optics*

The Pyser Optics BNVG Dual Night Vision Goggle is a dual-channel night vision system. With a 40° field of view, it provides a large visual field without needing to move the binoculars.

The BNVG uses advanced multi-coated optics and is built to last with a compact composite housing. The device can be outfitted with a variety of high-performance image intensifier tube (IIT). The bright light cut-off feature ensures that the high-quality photocathode tube is protected. The BNVG is also equipped with Manual Gain Control, which adjusts the image brightness, providing the highest possible image quality even in changing light conditions.

Operating from a single AA alkaline battery or CR123A battery, the BNVG can run up to 20 hours. Also equipped with an integral infrared illuminator for reading in the dark.

- Redundant dual-tube design
- True stereoscopic vision
- Manual gain control
- Built-in Infrared illuminator and flood lens
- Ergonomic, simple, easy to operate controls
- Bright Light cut-off
- Lightweight & compact



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# TECHNICAL SPECIFICATIONS

## Physical

Dimensions:	115mm wide x 74mm high x 118mm
Weight:	645 gms without battery

## Optics

Magnification:	1x
Field of view:	51°
Focus range (m):	0.25 to infinity
Objective focal length:	25mm
Objective F Number:	F1.19
Dioptre adjustment:	-6 to +2 minimum
Eyepiece lens:	27mm glass aperature
Eye relief:	25mm
Interpupillary adjustment:	56 to 72mm

## Environmental

Ingress:	IP68 Nitrogen filled
Temperature:	
• Operation:	-40°C to +50°C
• Storage:	-50°C to +70°C

## Electrical

Power source:	One CR123A (3V) or AA (1.5V)
Battery life:	In excess of 20 hours dependent on tube & battery type
IR on indicator:	Red LED in Eyepiece

## Figure of Merit Value (Min)

Model	<u>BNVG 1600</u>	<u>BNVG 1800</u>	<u>BNVG XR5A</u>	<u>BNVG 4G</u>
	1600	2000	1472	1800

## Tube Spot Specification

1600 & 1800				XR5A & 4G			
Spots Diameter in Micrometers	Zone 1 Dia 5.6mm	Zone 2 Dia. 5.6mm-14mm	Zone 3 Dia. 14.7mm-17.0mm	Spots Diameter in Micrometers	Zone 1 Dia 5.6mm	Zone 2 Dia. 5.6mm-14mm	Zone 3 Dia. 14.7mm-17.0mm
> 300	0	0	0	> 300	0	0	0
230-300	0	1	2	230-300	0	0	0
150-230	1	2	4	150-230	0	1	1
75-150	2	4	6	75-150	0	2	2
				< 75	Minimal	Minimal	Minimal

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