

# NVS 27

NIGHT VISION RIFLESCOPE CLIP-ON



Display

The NVS 27 is Newcon Optik's most advanced night vision clip-on to date and represents a significant improvement on other clip-on systems currently available. Utilizing any of Newcon Optik's AG or AGBW IIT systems, this high-resolution unit is designed to mount in front of virtually any daytime rifle scope. It differs from the competition in many ways, but primarily in its compatibility with day sight magnifications between 1x and 20x. As military and police shooters continue to use higher magnification day sights, this compatibility range provides a significant advantage in the field, enabling the use of most, if not all, of a given day sight's magnification capability.

The NVS 27 was designed by shooters, and its extra wide field of view, manual gain control system and extended target detection range make it the world's most complete night vision clip-on system.

IIT	NVS 27
Generation	3
Photocathode material	GaAs
IIT resolution, minimum (lp/mm)	64
Figure of merit, minimum	1600
Signal to noise ratio, minimum	25
Mean time to failure (hours)	10,000
Photocathode sensitivity, minimum ( $\mu\text{A}/\text{lm}$ )	1800
Auto-gating	Yes
Auto-gating with black & white phosphor	Optional
Automatic brightness control	Yes
<b>Optics</b>	
Magnification (x)	1
Field of view ( $^{\circ}$ )	13
Objective F#	1.0
Objective focal length (mm)	78
Focus range (m)	10 to $\infty$
Magnification compatibility, recommended (x)	1 - 20

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Mechanics, Electronics & Environmental	
Dimensions (mm)	240 x 97 x 107
Weight without batteries (g)	1,400 (with QR mount)
Mount system	QR Mount
Height from the rail to the optical axis (mm)	43
Height from the rail to the optical axis (inches)	1.69
IR illuminator	Optional
Battery type	1x AA or 1x CR123
Battery life (hours)	50
Low battery indicator	Yes
Operating temperature range (°C)	-45 to +65
Storage temperature range (°C)	-60 to +70
Waterproofing	10m/1h
MIL-STD-810G compliant	Yes
Boresight retention	Permanent
Boresight adjustment	Not required

## DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- Objective lens cap
- Lens cleaning kit
- Operation manual

## OPTIONAL ACCESSORY



Hard Case

NVS 27 and NC 3-12x56, mounted on high-calibre sniper rifle



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Specifications, visuals, descriptions, and technical data are non-binding and may be changed without notice - 2024-01-06

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