

NVS 27M

NIGHT VISION RIFLESCOPE CLIP-ON



Display

The NVS 27M 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 27M 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 27M
Generation	3
Photocathode material	GaAs
IIT resolution, minimum (lp/mm)	68
Figure of merit, minimum	2000
Signal to noise ratio, minimum	28
Mean time to failure (hours)	10,000
Photocathode sensitivity, luminous, minimum ($\mu\text{A}/\text{lm}$)	1800
Auto-gating	Yes
Auto-gating with black & white phosphor	Optional
Automatic brightness control	Yes
Optics	
Magnification (x)	1
Field of view ($^{\circ}$)	13
Objective F#	1.5
Objective focal length (mm)	78
Focus range (m)	10 to ∞
Magnification compatibility, recommended (x)	1 - 20

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Mechanics, Electronics & Environmental	
Dimensions (mm)	220x95x73
Weight without batteries or objective lens cap (g)	934
Mount system	QR Mount
Height from the rail to the optical axis (mm)	42
Height from the rail to the optical axis (inches)	1.65
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)	-50 to +70
Waterproofing	MIL-STD-810G
Environmental protection compliance	MIL-STD-810G
Boresight retention	Permanent
Boresight adjustment	Not required

DELIVERY SET

Supplied with the following standard accessories:

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

OPTIONAL ACCESSORY



Hard Case

NVS 27M shown mounted on high-calibre sniper rifle

