



PVS-14 NIGHT VISION SYSTEM

SPECIFICATIONS

Generation		Gen 3
Magnification	(x)	1
Field of view	(m @ 100m)	35
Eye relief	(mm)	25
Lens system		26mmF/1.2
Lens aperture	(mm)	25
Focus range	(m)	0.24 to infinity
Diopter setting	(D)	+2, -6
Waterproof	(yes / no)	yes
Power supply; battery type feed voltage	(V)	(1) AA 1.5
Battery life	(hour)	up to 40
Operating temperature	(°C)	-50 to +55
Dimensions	(in)	4.5x2.3x2
Weight	(oz)	12.5

FEATURES

- Single AA battery operation
- Integrated IR illuminator
- Automatic shut-off when exposed to bright light sources
- Low battery indicator
- Automatic brightness control
- Extremely versatile
- Hand-held, head mountable, weapons mountable, or photo / video equipment adaptable
- Wide variety of optional accessories
- Lightweight
- Waterproof

INCLUDED ACCESSORIES

- Head mount assembly
- Brow pads
- Helmet / head mount adapter
- Eye cup
- Carrying case with shoulder strap
- Safety lanyard
- Lens cap
- Lens paper
- Limited Warranty

The Sightmark[®] PVS-14 is a combat proven NV system currently used by the US military and Special Forces. This ruggedly designed unit utilizes a single standard AA battery compartment, making it more lightweight than other similar units. The automatic shut-off feature increases the functionality of the device as it protects the tube from being damaged when exposed to intense light sources. Another preventative feature is the low battery indicator, which appears in the eyepiece when battery replacement is necessary. In addition, the adjustable gain serves to achieve the highest quality image performance for varying light conditions. Optional accessories include a 3x or 5x magnifier, weapons mount, and more.



PVS-14 NIGHT VISION SYSTEM Technical Parameters

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ENVIRONMENTAL DATA

Operating temperature	(°C) (°F)	-50 to +55 -58 to +131
Storage temperature	(°C) (°F)	-20 to +85 -4 to +185
Water intrusion		meets MIL-STD 810C test
Humidity	(%)	98
Keep time, typical	(year)	15

GEN III IMAGE INTENSIFIER TUBE

Photocathode type		18mm GaAs
Photocathode sensitivity, min	(uA/Lm)	1350-1800
Resolution, typical	(lp/mm)	64
FOM, typical		1250-2000
Signal-to-noise-ratio, typical		24:1
Luminous gain, typical	(fl/fcd)	35,000-75,000
Tube reliability standard	(hour)	10,000
Keep time, max	(year)	15

EFFECTIVE RANGE

Detection range, approx.		
- quarter moon	(m)	325
	(yd)	355
- cloud cover	(m)	275
	(yd)	300
Recognition range, approx.		
- quarter moon	(m)	225
	(yd)	245
- cloud cover	(m)	175
	(yd)	190
IR illuminator effective distance	(m)	up to 5
	(yd)	up to 5.5

LIMITED WARRANTY

Housing and components	(year)	5
Image intensifier tube	(year)	3