



PVS-14 NIGHT VISION SYSTEM Technical Parameters

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) (in)	0.24 to infinity 10 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
Dimensions	(in)	4.5x2.3x2
Weight	(oz)	12.5

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

LIMITED WARRANTY

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