



## PVS-7 NIGHT VISION SYSTEM Technical Parameters

### SPECIFICATIONS

Generation		Gen 3
Magnification	(x)	1
Field of view	(m @ 100m)	72.8
Eye relief	(mm)	15
Lens system		26mmF/1.2
Lens aperture	(mm)	26
Interpupillary distance	(mm)	55-71
Focus range	(m) (in)	0.2 to infinity 8 to infinity
Diopter setting	(D)	+2, -6
Waterproof	(yes / no)	yes
Power supply; battery type feed voltage	(V)	(2) AA 3
Battery life	(hour)	up to 40
Dimensions	(in)	6.4x6x3
Weight	(oz)	18

### ENVIRONMENTAL DATA

Operating temperature	(°C) (°F)	-50 to +55 -58 to +131
Storage temperature	(°C) (°F)	0 to +60 32 to +140
Immersion	(hour)	1 m/y for 1
Humidity	(%)	98
Keep time, typical	(year)	15

### GEN III IMAGE INTENSIFIER TUBE

Photocathode type		18mm GaAs
Photocathode sensitivity, min	(uA/Lm)	1500
Resolution, typical	(lp/mm)	57-64
FOM, typical		1600-2000
Signal-to-noise-ratio, typical		21:1
Luminous gain, typical	(fl/fcd)	45,000-55,000
Tube reliability standard	(hour)	10,000
Keep time, max	(year)	15
Warranty	(year)	5

### EFFECTIVE RANGE

Detection range, approx.		
- quarter moon	(m) (yd)	325 355
- cloud cover	(m) (yd)	225 245
Recognition range, approx.		
- quarter moon	(m) (yd)	225 245
- cloud cover	(m) (yd)	150 165
IR illuminator effective distance	(m) (yd)	up to 5 up to 5.5