

AN/PVS-7

AVIATION SPECIALTIES UNLIMITED, INC.

GEN III NIGHT VISION

The monocular is based upon the military nomenclature AN/PVS-7

PERFORMANCE

- Enhanced image clarity and quality which results in increased depth perception
- Exceptional high-light performance due to auto-gating
- Improved low-light performance and increased FOM

BENEFITS

- Hands-free or one-hand operation
- High light cut-off tube protection
- Integrated IR illuminator
- Automatic brightness control
- Generation III night vision
- U.S. manufactured image intensifier (I2) tube

FEATURES

- Typically worn either head or helmet mounted
- When used with optional helmet mount, goggle will automatically shut off in the up position
- An active projected infrared LED provides short range illumination allowing such activities as map reading, night repairs or maintenance tasks
- Self-contained system operating on two AA batteries
- Low-battery indicator in eyepiece



APPLICATIONS:



TARGET ACQUISITION
FORCE PROTECTION
ROUTINE PATROLS
INTERDICTION & ERADICATION



BORDER & PERIMETER SECURITY
LOW-LIGHT SURVEILLANCE
FUGITIVE PURSUIT
SOLDIER & OFFICER SAFETY



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FEATURES		AN/PVS—7	
OPTICS	MAGNIFICATION	1X	
	FIELD OF VIEW (FOV)	40 deg	
	OBJECTIVE LENS	26 mm (1 in)	
	MINIMUM FOCUS DISTANCE	25 cm (9.8 in)	
	EYE RELIEF	15 mm (0.6 in)	
	DIAOPTER ADJUSTMENT	+2 to -6	
GEN III IMAGE INTENSIFICATION TUBE	1600 FOM	- Resolution: 64 lp/mm (min) -Signal/Noise: 21.9:1 (min) -FOM: 1600 (max)	
	HALO	0.85 (Min) - 1.25 (Max)	
POWER	POWER SOURCE	2 AA Batteries	
	BATTERY LIFE	~ 40 Hours at Room Temperature	
PHYSICAL CHARACTERISTICS	SIZE	14.1 cm L x 15.6 cm W (5.5 in L x 6 in W)	
	WEIGHT (BINOCULAR)	650 g with mask assembly (1.4 lbs)	
	COLOR	Black	
	MOUNTS	Head and Helmet Mount Adapter	
		Head Mount, Optional Helmet Mount	
WARRANTY	HOUSING & TUBE	1 YEAR	
ORDERING INFORMATION	1600 FOM GREEN	7S1600-OFGDO	
	1600 FOM White	7S1600-OFWDO	
AVAILABLE EQUIPMENT	<ul style="list-style-type: none"> Goggle Operation Manual Soft Carry Case Batteries 	<ul style="list-style-type: none"> Demist Shield Assembly Eyecups Sacrificial Window Assembly Lens Paper 	<ul style="list-style-type: none"> Shoulder Strap Retainer Cord Head Mount Assembly
AVAILABLE ACCESSORIES	<ul style="list-style-type: none"> Adapter Assembly, 7B to 7A Adapter Kit, 5X Afocal, 7B Spare Batteries Case, Shipping Case Assembly, Packed Compass Demist Shield Assembly Lens Assembly, 162, mm 	<ul style="list-style-type: none"> Lens Assembly, 108mm Lens Assembly, 3X Afocal Lens Assembly, 5X Afocal Lens Brush, LP1 Lens Cover Assembly, 75mm Mount Assembly, Helmet Mount Assembly, 7B-SPH-5CG Sacrificial Filter Assembly, 75mm 	<ul style="list-style-type: none"> Sacrificial Filter Assembly, 108mm Sacrificial Filter Assembly, 162mm Sacrificial Window Spare Parts Kit, M961 Spare Parts Kit, M963 Spare Parts Kit, M966 Training, Operator & Maintenance Tripod Adapter Assembly, (4X, 6X)
Specifications subject to change without notice			July 2017

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