

# AN AVS-9

AVIATION SPECIALTIES UNLIMITED, INC.

## GEN III GREEN PHOSPHOR

The binocular is based upon the U.S. DOD's AN/AVS-9

### 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

- *Available with Class A, B, or C "Leaky Green" Objectives
  - *Fully compatible with aircraft NVIS lighting systems**
- *Mounting systems available for Gentex, Alpha, Gallet, and other flight helmets*
- *FAA & EASA Flight Certifications*
- *Fully compliant with RTCA DO-275 (Minimum operational performance standards for integrated night vision imaging system equipment)*
- *180 Day service and repair via our FAA Certified Part 145 repair station*

### OPERATIONS

- **MILITARY / PARA-MILITARY**
- **EMERGENCY MEDICAL SERVICES**
- **LAW ENFORCEMENT**
- **SECURITY**
- **SEARCH AND RESCUE**
- **BORDER PATROL**
- **AGRICULTURE / MOSQUITO ABATEMENT**



AVIATION SPECIALTIES UNLIMITED, INC. | PHONE: +1 [844] 278-4636 | WWW.ASU-NVG.COM

# AN AVS-9 (M949™)

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## AN/AVS9 GREEN PHOSPHOR TECHNICAL SPECIFICATIONS

FEATURES		M949 (AN/AVS-9)	
OPTICS	MAGNIFICATION	1X	
	FIELD OF VIEW (FOV)	40 deg	
	OBJECTIVE LENS	27 mm (1.1 in)	
	MINIMUM FOCUS DISTANCE	25 cm (9.8 in)	
	EYE RELIEF	25 mm (1.0 in)	
	DIAOPTER ADJUSTMENT	+2 to -6	
GEN III IMAGE INTENSIFICATION TUBE	9S1400 9S1600 9S1800 9S2000 9S1001	1400 FOM, Green Phosphor, Not Autogated 1600 FOM, Green Phosphor, Autogated 1800 FOM, Green Phosphor, Autogated 2000 FOM, Green Phosphor, Autogated Unlimited FOM, Green Phosphor, Autogated	
POWER	POWER SOURCE	Low Profile Battery Pack (LPBP) with 4AA batteries (2AA primary, 2AA alternate) Cable from Aircraft Power Converter into Low Profile Battery Pack	
	WARNING INDICATOR	Red LED Activates on Mount at approximately 30 minutes battery life remaining	
PHYSICAL CHARACTERISTICS	SIZE	11.6 cm L x 13 cm W x 8.9 cm H (4.6 in L x 5.1 in W x 3.5 in H)	
	WEIGHT (BINOCULAR)	535 grams	
	VERTICAL ADJUSTMENT	25 mm Min (1 in)	
	FORE/AFT ADJUSTMENT	27 mm Min (1.1 in)	
	TILT ADJUSTMENT	10 deg Min	
	OBJECTIVE ADJUSTMENT	3/4 turn (338 deg)	
	AUTOMATIC BREAKAWAY	11 - 15 g	
	MOUNTS	Multiple Helmet Mount Adapters Available	
LOW PROFILE BATTERY PACK	Battery Pack with batteries (4AA) = 235 grams		
WARRANTY	HOUSING & TUBE	1 YEAR	
STANDARD EQUIPMENT	<ul style="list-style-type: none"> <li>Goggle with Class B Lens</li> <li>Operation Manual</li> <li>Soft Carry Case</li> <li>Low Profile Battery Pack</li> </ul>	<ul style="list-style-type: none"> <li>Low Profile Battery Pack Mounting Kit</li> <li>Helmet Mount (Quick Disconnect)</li> <li>Lens Paper</li> <li>Neck Cord</li> </ul>	<ul style="list-style-type: none"> <li>Airworthiness Log</li> <li>Shipping &amp; Storage Case</li> <li>Lens Cap Assembly</li> <li>Battery Cartridges</li> </ul>
AVAILABLE ACCESSORIES	<ul style="list-style-type: none"> <li>Spare Battery</li> <li>Case Assy</li> <li>Filter, Daylight Training</li> <li>Lens Brush</li> <li>Low Profile Battery Pack (LPBP)</li> </ul>	<ul style="list-style-type: none"> <li>Mount Assy, Quick Don</li> <li>Mount Assy, SPH-5CG</li> <li>Mount Assy, Banana (HGU/55P)</li> <li>Mount Assy, Standard V1A</li> <li>Training, Operator &amp; Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>Mount Kit, Alpha Helmet</li> <li>Clip-on Power Supply (COPS)</li> <li>Spare Parts Kit</li> </ul>
Specifications subject to change without notice		NOV 2016	

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