



Gen III Night Vision

The M949 binocular is based upon the military nomenclature AN/AVS-9.

BENEFITS:

- Provides improved situational awareness and enhanced ergonomics
- Bionocular viewing for optimized depth perception and large 25mm eyepieces
- Ergonomically designed interface controls including inter-pupillary and vertical/fore-aft/tilt adjustments
- Generation III night vision
- U.S. manufactured Image Intensifier (I²) tube

FEATURES:

- Optional Class A and Class C ("Leaky Green") filters
- Clip-On Power Supply (COPS) for pre-flight or dismounted operations
- Low profile AA battery power pack (LPPP) securely attaches to flight helmets
- LPPP with primary and alternate battery plus aircraft power port provide triple redundancy for complete system confidence
- Multiple helmet mount options
- Improved 40° field of view



TARGET ACQUISITION

FORCE PROTECTION

ROUTINE PATROLS

INTERDICTION & ERADICATION

BORDER & PERIMETER SECURITY

LOW-LIGHT SURVEILLANCE

FUGITIVE PURSUIT

SOLDIER & OFFICER SAFETY



Warrior Systems



Aero Dynamix, Inc., 3227 W. Euless Blvd., Euless TX 76040 U.S.A.
For Sales Please Call Phone: (817) 571-0729 or Fax: (817) 283-5432
Website: www.AeroDynamix.com Email: Goggles@AeroDynamix.com



AN/AVS-9 (M949™) TECHNICAL SPECIFICATIONS:

FEATURES		M949 (AN/AVS-9)		
OPTICS	MAGNIFICATION	1X		
	FIELD OF VIEW (FOV)	40.0°		
	OBJECTIVE LENS	27 mm (1.1 in)		
	INTERPUPILLARY ADJUSTMENT	52 - 72 mm (2 - 2.8 in)		
	EYE RELIEF	25 mm (1 in)		
	DIOPTER ADJUSTMENT	+2 to -6		
GEN III IMAGE INTENSIFICATION (I ²) TUBE OPTIONS	ALPHA	• Resolution: 64 lp/mm (min)	• Signal/Noise: 19.1:1 (min)	• FOM: 1400 (max)
	DELTA	• Resolution: 64 lp/mm (min)	• Signal/Noise: 21.0:1 (min)	• FOM: 1600 (max)
	OMEGA ♦	• Resolution: 64 lp/mm (min)	• Signal/Noise: 21.0:1 (min)	• FOM: Unrestricted
	INFINITY ♦	• Resolution: 64 lp/mm (min)	• Signal/Noise: 25.0:1 (min)	• FOM: Unrestricted
	DEFENDER ♦	• Resolution: 64 lp/mm (min)	• Signal/Noise: 21.0:1 (min)	• FOM: Unrestricted
POWER	POWER SOURCE	Low Profile Power Pack (LPPP) with 4AA batteries (2AA primary, 2AA alternate)		
		Cable from Aircraft Power Converter into Low Profile Power Pack		
	WARNING INDICATOR	Red LED Activates on Mount at 2.3 volts DC or on Battery voltage of 2.0 -3.0 Volts DC		
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	590 g Max (1.3 lbs)		
	VERTICAL ADJUSTMENT	25 mm Min (1 in)		
	FORE/AFT ADJUSTMENT	27 mm Min (1.1 in)		
	TILT ADJUSTMENT	10° Min		
	OBJECTIVE ADJUSTMENT	3/4 turn (338°)		
	AUTOMATIC BREAKAWAY	11 - 15 g (0.02 - 0.03 lbs)		
	MOUNTS	Multiple Helmet Mount Adapters Available		
WARRANTY	HOUSING & TUBE	1 Year		
ORDERING INFORMATION	ALPHA	Model 245080-008		
	DELTA	Model 245080-003		
	OMEGA TUBE ♦	Model 245080-004		
	INFINITY TUBE ♦	Model 245080-005		
	DEFENDER ♦	Model 245080-002-801		
STANDARD EQUIPMENT	• Goggle with Class B Lens • Operation Manual • Soft Carry Case	• Low Profile Power Pack • Clip-On Power Supply • Lens Paper	• Neck Cord • Airworthiness Log	
AVAILABLE ACCESSORIES	• Spare Batteries • Case, Standard Carrying • Case, Standard Shipping • Case Assy, ESA • Filter, Daylight Training • Lens Brush	• Log Book, Continuous Airworthiness • Mount Assy, Quick Don • Mount Assy, SPH-5CG • Mount Assy, Banana (HGU/55P) • Mount Assy, Standard V1A • Mount Kit, ALPHA Helmet	• Power Pack, Low Profile (LPPP) • Power Supply, Clip-On (COPS) • Spare Parts Kit • Training, Operator & Maintenance	

Specifications subject to change without notice

M949 June 2011

♦ THIS SYMBOL DESIGNATES PRODUCTS NOT AVAILABLE FOR FOREIGN SALES ♦

MADE IN THE U.S.A.

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9 Akira Way | Londonderry, NH 03053
Tel: 866-509-2040 | www.InsightTechnology.com



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