

AVIATION NIGHT VISION GOGGLE AN/AVS-9 (F4949 SERIES)

P43 - GREEN PHOSPHOR
P45 - WHITE PHOSPHOR



KEY BENEFITS

- ▶ Gen III auto-gated MX-10160 Pinnacle[®] image tubes are field proven for superior clarity and resolution in high-light & low-light flight environments
- ▶ Improved ultra-fine objective lens focus maximizes image clarity
- ▶ FAA TSO-C164 & EASA approved
- ▶ Independent eye-span adjustment (IPD) & 25-mm eye relief eyepiece accommodate eyeglasses
- ▶ Low-profile battery pack improves head mobility for aviator while in cockpit & offers increase battery life
- ▶ Class A, B, C, and UK 645 minus-blue filters for objective lens available to suit all types of cockpit lighting, including color displays & HUDs

For more than 60 years, night vision flight excellence has been obtained by military, law enforcement, and emergency first responders using the field tested AN/AVS-9 (F4949). Originally developed in 1992, the F4949 remains the night vision system standard for the air crews of the U.S. Military.

Rotary-wing versions of the AN/AVS-9 feature a rear-mounted, low-profile battery pack, which uses four AA batteries, allowing operation for more than 50 hours. Power is provided by a cable extending from the battery pack, over the helmet, and into a connector in the mount.

The AN/AVS-9 (F4949) series of aviator's night vision systems is available in over 40 different configurations. The type of aircraft and type of helmet being used will determine the configuration that is appropriate for each particular user. The lightweight binocular can be mounted to a variety of aviator helmets, including manufacturers Gentex, ALPHA, MSA Gallet, Paraclete and others.



AN/AVS-9 (F4949 SERIES) SPECIFICATIONS

OPTICS	Magnification	1x	
	Field of View (FOV)	40 degrees nominal	
PHYSICAL	Weight (Binocular)	535 g	
	Dimensions	8.3 cm x 13 cm x 10.3 cm (3.3 in x 5.1 in x 4.1 in)	
	Automatic Breakaway	11 - 15 g	
POWER	Battery Life	Nominally 30 hours (per side) under standard conditions	
	Battery Type	Fixed Wing: 2 each, AA size; Rotary-Wing: 4 each, AA size	
	Operating Temperature Range	-25.6°F to 125°F (-32°C to +52°C)	
MECHANICAL	Diopter Adjustment	+2 to -6 diopters	
	Interpupillary Adjustment	Independent, 52 to 72 mm total	
	Fore/Aft Adjustment	27 mm, range	
	Tilt Adjustment	10°, range	
	Exit Pupil/Eye Relief	On-axis: 14 mm @ 25 mm distance, Full-field: 6 mm @ 25 mm distance	
WARRANTY	AN/AVS-9 (F4949)	5 years, conditions apply	
FAA TSO C164A NVG KITS AVAILABLE	4949TSOB4M16HP43-2 4949TSOB4M16HP45-2 4949TSOB4M18HP43-2 4949TSOB4M18HP45-2 4949TSOB4M20HP43-2 4949TSOB4M20HP45-2 4949TSOB4VH1HP43-1 4949TSOB4VH1HP45-1	FAA TSO 1600 FOM, Green Phosphor, Class B Lens, Autogated FAA TSO 1600 FOM, White Phosphor, Class B Lens, Autogated FAA TSO 1800 FOM, Green Phosphor, Class B Lens, Autogated FAA TSO 1800 FOM, White Phosphor, Class B Lens, Autogated FAA TSO 2000 FOM, Green Phosphor, Class B Lens, Autogated FAA TSO 2000 FOM, White Phosphor, Class B Lens, Autogated FAA TSO UNLIMITED FOM, Green Phosphor, Class B Lens, Autogated FAA TSO UNLIMITED FOM, White Phosphor, Class B Lens, Autogated	
STANDARD EQUIPMENT	<ul style="list-style-type: none"> ▶ Goggle with Class B Lens ▶ Objective lens coatings that filter glare from cockpit lighting ▶ Soft carry case 	<ul style="list-style-type: none"> ▶ Operation Manual ▶ Lens Paper ▶ Neck Cord ▶ Protective Lens Caps 	<ul style="list-style-type: none"> ▶ Low Profile Battery Pack ▶ Maintenance Logbook ▶ 180-day FAA Airworthiness Inspection
AVAILABLE ACCESSORIES	<ul style="list-style-type: none"> ▶ Hard shipping & storage case ▶ NVG mount for any helmet ▶ Compact clip-on power source ▶ Counter-weight assembly 	<ul style="list-style-type: none"> ▶ Spare battery cartridge ▶ Helmet mount assembly ▶ Mounting kit hardware ▶ Shipping & storage case 	<ul style="list-style-type: none"> ▶ Maintenance training ▶ Operator training ▶ FAA approved NVG airworthiness maintenance service & repair

Specifications subject to change without notice.

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