

E3 Lightweight Aviation NVG



AVIATION SPECIALTIES UNLIMITED, INC.
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ASU's new E3 Lightweight Aviation night vision goggle is the lightest U.S. manufactured aviation goggle on the market - **more than 30% lighter than the AN/AVS-9**. Offering higher performance with the latest image intensification technology, intuitive adjustments and greater look-under and look-around viewing.



IMPROVED DESIGN & PERFORMANCE

- › 30% lighter than currently fielded systems
- › Lower total helmet weight reduces neck strain — ~390 gram NVG
- › Durable, military-grade aluminum & titanium construction
- › Highly intuitive adjustment & innovative front focus
- › Collimation set for life
- › Backward compatible with legacy ANVIS mounts & battery packs
- › Less maintenance due to fewer parts
- › Highest available EMI/EMC shielding
- › Increased eye relief
- › Greater unaided look-under, look-around viewing
- › High FOM, GEN III white phosphor image technology
- › Patented technology and design

LIGHTER - EASIER - SUPERIOR

Goggle Kits

E31001W-1 UNLIM FOM MIN 2376, White, AERONOX®
E31601W-1 1600 FOM 1400-1600, White, AERONOX®
E31801W-1 1800 FOM 1600-1800, White, AERONOX®
E32001W-1 2000 FOM 1800-2000, White, AERONOX®
E32201W-1 2200 FOM 2000-2200, White, AERONOX®

NAME	DESCRIPTION
E3	E3 LIGHTWEIGHT NVG



SPECIFICATIONS

E3 LIGHTWEIGHT NVG



Optics	Magnification	1x	
	Field of View (FOV)	40° (+ or - 2°)	
	Objective Lens (focus range)	15 cm to Infinity	
	Effective Focal Length (EFL)	27 mm (+ or - 0.50 mm)	
	Interpupillary Adjustment	51 mm to 72 mm	
	Eye Piece Eye Relief	32 mm	
	Diopter Adjustment	+2 to -4	
Physical Characteristics	Size	~11.6cm L x ~8.9cm W x ~5.46cm H	
	Weight (Binocular)	390 grams	
	Vertical Adjustment	Compatible with adjustment in helmet mount	
	Fore/Aft Adjustment	27 mm	
	Tilt Adjustment	+ or - 14°	
	Objective Adjustment	Full Turn (360 degrees)	
	Automatic Breakaway	9 g - 15 g	
	Mounts	Multiple Helmet Mount Adapters Available	
Low Profile Battery Pack	Battery Pack weight with batteries (4AA) = 235 grams		
Warranty	Housing & Tube	System: 2 Years	
Standard Equipment	› Goggle with Class B Lens	› AERONOX® Battery Pack	› Air Worthiness Log
	› Operation Manual	› AERONOX® Helmet Mount	› Lens Cap Assembly
	› Soft Carry Case	› Lens Paper	
Available Accessories	› Spare Battery	› Mount Assembly, Quick Don	› Mount Kit, Alpha Helmet
	› Lens Brush	› Mount Assembly, SPH-5CG	› Clip-on Power Supply
	› Shipping and storage case	› Mount Assembly, Banana (HGU/55P)	› Spare Parts Kit
	› Training, Operator and Maintenance	› Mount Assembly, Standard V1A	

Specifications subject to change without notice.

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