

Aviator's Night Vision Imaging System (ANVIS) AN/AVS-6 (F4210 Series)

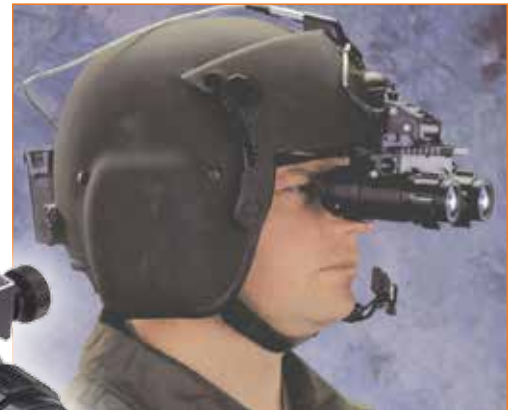
For more than 50 years, Exelis has provided the military with the premier vision-enhancing solutions. As the worlds leading manufacturer of Generation (Gen) 3 image intensification technology, Exelis continues to work hand-in-hand with customers to expand night vision and vision-enhancing capabilities, technologies, and resources.

Exelis also provides technical support, service, training, and maintenance for our products to maximize customer benefits and usability.

Exelis offers the popular Aviator's Night Vision System (ANVIS) with various system options - all designed to meet individual customer requirements.

FEATURES AND BENEFITS

- Gen 3 performance offers optimum resolution, high gain, and photoresponse to near infrared.
- Optional clip-on power source allows ANVIS usage without helmet.
- Independent eye-span adjustment and 25-mm eye relief eyepiece accommodate eyeglasses and other individual physical characteristics.
- Low-profile battery pack improves head mobility for aviator while in cockpit.
- "Minus-blue" objective lens filter screens glare from cockpit instrument lighting.
- Other features include automatic brightness control, flip-up stowage, durable, "soft-sided" carrying case.



STANDARD ACCESSORIES

- Carrying Case
- Lens caps
- Lens paper
- Operator's Manual

OPTIONAL ACCESSORIES

- Clip-on power source
- Low profile battery pack
- Shipping and storage case

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SPECIFICATIONS

| | |
|-----------------------------|---|
| Spectral Response | Visible to 0.90 μ m (IR) |
| Field of View | 40° |
| Magnification | Unity |
| Resolution | 1.3 cy/mr, minimum |
| Brightness Gain | 5500 fL/fL, minimum |
| Collimation | $\leq 1^\circ$ convergence $\leq 0.3^\circ$ dipvergence/divergence |
| Diopter Adjustment | +2 to -6 diopters |
| Interpupillary Adjustment | 52 to 72 mm |
| Fore-and-Aft Adjustment | 27 mm, range |
| Tilt Adjustment | 10°, minimum |
| Objective Lens | EFL 27 mm F/1.23, T/1.35 |
| Eyepiece Lens | EFL 27 mm |
| Exit Pupil/Eye Relief | On-axis: 14 mm @ 25-mm distance Full-field: 6 mm @ 25-mm distance |
| Focus Range | 25 cm to infinity |
| Flip-up/Flip-down | Button release |
| Automatic Breakaway | 11 to 15 g |
| Battery Life | Nominally 30 hours under standard conditions |
| Battery Type | AA size alkaline |
| Weight of Binocular | 590 grams maximum (525 typical) |
| Operating Temperature Range | -32°C to +52°C |
| Standard Mounting | SPH-4B, SPH-4AF, HGU-56P |
| Optional Mounting | Available for Alpha and CGF helmets |

Exelis's ANVIS enables rotary-wing aviators to conduct and complete night operations during the darkest nights of the year. In use by rotary-wing units around the world, ANVIS offers high reliability and performance. The lightweight binocular can be mounted to a variety of aviator helmets, including the SPH-4B, HGU-56P, and Alpha.

The ANVIS unit is powered by standard AA batteries. As an optional accessory, a clip-on power source is available, enabling hand-held operation of the binocular (no helmet required). This feature significantly aids the aviator during situations involving escape and evasion.

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Specifications subject to change without notice.
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