

F-16 Head-Up Display (I-HUD2)

NVG/NVIS compatible display



The new and modernized I-HUD2 for the F-16 platform is based on the F-16 head-up display (HUD) in use by the US Air Force (USAF) and many other users. A world-leading manufacturer of HUDs, Elbit Systems has extensive experience in HUD programs, with more than 8,500 units for more than 25 platforms delivered and operational around the world.



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System overview and capabilities

The high-performance modernized I-HUD2 offers a cost-effective, obsolescence-free solution, with improved reliability and maintainability. The HUD features a robust design suitable for harsh environmental conditions, with advanced electronics and superior image quality.

Display unit (DU)

Fully compatible NVIS Class C display. FLIR imagery with overlaid symbology (stroke on raster).

Maintenance and integration

Innovative and efficient electronic circuitry for significantly reduced power consumption and heat dissipation. Outstanding mean time between failures (MTBF). Computerized automatic test and calibration, reliable CRT protection circuitry and intensive built-in test (BIT).

Key Features

- Wide FOV, 28°circular total field of view (TFOV)
- NVIS compatible, class C
- Large eye motion box (EMB)
- High image brightness
- Automatic brightness control
- Enhanced symbol quality
- Superior raster image quality
- Depressible programmable Stand-by-Sight (SBS)

Key Benefits

- Robust design
- Day/night operational modes
- High mean time between failures (MTBF)
- Reduced power consumption and lifecycle cost

Technical Specifications

Modes of operation	Day/Night/Auto brightness Symbology/Video with overlaid symbology
Total FOV	28°
Combiner transmission	80%
Stroke brightness	2,500 fL
Power supply	±20 VDC; 5 VAC
Power consumption	45W (typical for all modes)
System interface	RS422 serial link
Weight	21kg (46lbs)
Environmental	IAW MIL-STD-810 and MIL-E-5400T



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