

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

NVG/NVIS compatible display



Elbit Systems Electro-optics Elop Ltd. is a world-leading manufacturer of HUDs with over forty years of experience. Elop's HUD portfolio for Fighters, Trainers and Light Attack aircraft includes a variety of HUD solutions suited for the whole range of cockpit sizes. Elop is working with leading aerospace industry companies and aircraft OEM's.

The new and modernized **I-HUD 2** for the F-16 platform is based on the Elop's F-16 WAC HUD which operational on F-16 A/Cs all over the globe, offering its users a completely new display unit with various operational advantages.

Elop's F-16 I-HUD 2 offering its users a completely new display unit with various operational advantages. The Elop I-HUD 2 Display Unit (HUD-DU) is a form, fit, function and interface (FFFI) to the legacy F-16 HUD-DU and is capable of **NVG/NVIS** compatible, displaying, FLIR imagery, with overlaid symbology (Stroke on Raster). The HUD power consumption is significantly reduced thanks to innovative and efficient electronic design. This HUD utilizes state of the art electronics providing a cost effective and obsolescence free approach for decades ahead. Furthermore, it offers highly improved reliability and outstanding MTBF.



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Operational Features

- NVG/NVIS (Class C) compatible display
- Wide FOV design, 28° circular TFOV
- Large Eye Motion Box (EMB)
- High image brightness
- Enhanced symbol quality
- Superior raster image quality
- High MTBF

Maintenance & Integration Features

- Higher MTBF- Highly reduced cost of ownership
- Reduced power consumption and heat dissipation
- Advanced electronics, minimum PCBs
- Computerized automatic test & calibration
- Reliable CRT protection circuitry
- Intensive Built-In Test (BIT)
- Robust design for harsh environmental conditions

Technical Data

- Modes of operation Day/ Night/ Auto brightness.
Symbology / Video with overlaid symbology
- Total FOV 28°
- Combiner transmission 80%
- Stroke brightness 2500 fL
- Power supply ±20 VDC; 5 VAC
- Power Consumption 45W (typical for all modes)
- System interface RS422 serial link
- Weight 18kg (44 lbs.)
- Environmental IAW MIL-STD-810 and MIL-E-5400T

Additional features

- Automatic brightness control
- Depressible programmable Stand-by-Sight (SBS)



Elbit Systems Ltd.

Advanced Technology Center, P.O.B 539, Haifa 3100401, Israel

E-mail: istar@elbitsystems.com www.elbitsystems.com

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