## ANVIS/HUD®24
### New-Generation Day/Night HUD System

#### Technical Specifications

**Day HUD**
- **FOV:** See through symbology (70° x 10° day/nacht mode)
- **Contrast:** Min. 1.4:1 (at 10,000 FC)
- **Exit pupil:** >10 mm
- **Eye relief:** >50 mm
- **Weight:** <250 gr.
- **Mount:** Easily attached to any standard ANVIS NVG-Mount

**Night HUD**
- **FOV:** 32°
- **Contrast:** Min. 2:1 (at 0.03 FC)
- **Distortion:** <1.5%
- **Weight:** <70 gr.

**Tracker**
- **Concept:** Add-on LRUs/SRUs to the legacy ANVIS/HUD® system
- **Technology:** Electro Magnetic
- **Cockpit Mapping:** Required only for a single representative cockpit in each fleet

**ASDC (Advanced Sight and Display Computer):**
- **Operation modes:** 8 display operation modes
- **Power:** <110 Watts, 28 VDC
- **Weight:** <5.85 Kg
- **Compatibility:** >25 platforms, MIL-E-5400, MIL-A-49425, MIL-STD-461E

**DIU (Mini Display Under Porthole):**
- **Weight:** <450 gr.

**MCCU (Mini Converter Control Unit):**
- **Weight:** <260 gr.

#### Round the Clock Mission Solution
ANVIS/HUD®24 offers a ‘round the clock mission solution with advanced day and night display capabilities. Both the day and night displays operate as a single integrated system. The day display is mounted on the NVG and the day display is mounted on the same NVG helmet mount, offering a seamless solution for day and night operations.

Enhanced safety and situational awareness
ANVIS/HUD®24 improves flight safety and situational awareness by reducing the pilot’s head and eye motion for cockpit scanning. Complicated maneuvers in bad weather and low visibility conditions, low altitudes (NoE) or during night can be performed safely with enhanced transparencies.

Customizable display symbols
With independent displays for each pilot displaying critical flight information and multiple symbologies related to the specific mission, the ANVIS/HUD®24 offers a customizable solution that is compatible to the cockpit’s instrumentation and displays.

### Elbit Systems
Elbit Systems focuses on upgrades and modernization programs to enhance air, ground and naval platforms with next-generation capabilities. Hundreds of upgrades, performed on operational Western/Eastern fixed and rotary-wing aircrafts, are evidence of Elbit Systems’ position as one of the leading companies in the field. Orchestrating on numerous upgrades all over the globe, Elbit Systems’ multi-disciplinary capabilities have enabled our clients to be partner in large-scale upgrading programs. Allying with Elbit Systems links customers to the most advanced avionics technologies, systems and expertise, delivering enhanced performance and operational capabilities.

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The new-generation ANVIS/HUD®24* features enhanced situational awareness including Line-Of-Sight technology for improved mission effectiveness. Elbit Systems introduces its next-generation ANVIS/HUD®24 system designed to provide enhanced day/night situational awareness and improved survivability. The new ANVIS/HUD®24 combines the legacy ANVIS/HUD® helmet mounted display with innovative Line-Of-Sight (LOS) technology and Day HUD capabilities, enhancing crew coordination while facilitating the operation of the helicopters’ systems.

A proven solution for utility and attack helicopters

ANVIS/HUD®24 is suitable for both utility and attack helicopters. Operating on over 6,000 helicopters, 2.5 million operational hours accumulated on 25 different platforms, the ANVIS/HUD®24 can be installed on any helicopter – eastern and western.

- Round the clock mission solution
- Improves flight safety
- Enhances situational awareness
- Increases survivability
- Improves crew coordination
- Suitable for utility, reconassaince and attack helicopters

**ANVIS/HUD®24T (Tracker)**

Enhanced crew coordination and targeting

The ANVIS/HUD®24T system offers a head-tracking capability that enhances crew coordination and improves the pilot’s targeting and sighting capabilities. Based on unique electro-magnetic head tracking algorithms, the ANVIS/HUD®24T slaves the helicopter’s systems to the pilot’s line-of-sight (LOS) while displaying Electro-Optic Payload (EOP), weapon systems, and the co-pilot’s LOS symbols. The Tracker can be seamlessly installed on operational systems. The ANVIS/HUD®24T offers 3D conformal symbology, that superimposes mission symbols onto the outer world scenery. (optional)

- Improves crew coordination by displaying the other pilot’s line-of-sight.
- Reduces intercom traffic by allowing head-movement communications between the pilots in the cockpit.
- Enables targeting by continuously viewing the estimated impact point of the selected weapon.
- Improves mission efficiency by allowing the armament of the other pilots LOS.
- Enhances helicopters self-protection by displaying the armament to the pilot’s LOS, rapid weapons firing is enabled.
- Improves situational awareness by providing mission symbology superimposed on the outer world view. Waypoints, landing point, targets, rescue points etc. are superimposed on the outer world view.

In the USA the system is designated: Helmet Display & Tracker System (HDTS)

In the UK the system is designated: Display Night Vision Goggles (DNVG)

![ANVIS/HUD®24](image-url)