DNVG-24

'Round the Clock' Mission Solution

DNVG-24 offers a 'round the clock mission solution with advanced day and night display capabilities. Both the day and night displays operate on a single integrated system. The night display is mounted on the NVG and the day display is mounted onto the same NVG helmet mount, offering a seamless solution for day and night operations.

Enhanced safety and situational awareness

DNVG-24 improves flight safety and situational awareness by reducing the pilot's head and eye motion for cockpit scanning. Complicated manoeuvres in bad weather and low visibility conditions, low altitudes (NoE) or during night operations can be performed safely with enhanced survivability.

Customizable display symbols

With independent displays for each pilot, displaying critical flight information and multiple symbols related to the specific mission, DNVG-24 offers a customizable solution that is compatible with cockpit instrumentation and displays.

Technical Specifications

Day HUD	
Symbology	See through symbology FOV 25° clear/dark visor
Contrast	1.4:1 Min. (at 10,000 FC)
See-through transmission	>42°
Exit pupil	>10 mm
Eye relief	>50 mm
Weight	<230 gr.
Mount	Easily attached to any standard ANVIS NVG-Mount
Safety	Quick disconnect for emergency egress
Night HUD	
Compatibility	Add-on to any standard NVG
Symbology	FOV 32°
Contrast	2:1 Min. (at 0.03 FC)
Distortion	<1.5%
Weight	<70 gr.
Safety	Quick disconnect for emergency egress
Tracker	
Concept	Add-on LRUs/SRUs to the legacy ANVIS/HUD system
Tracker technology	Electro Magnetic
Cockpit Mapping	Required only for a single representative cockpit in each fleet
ESDC*	
Operation modes	8 display operation modes
Power	< 80 Watts, 28V DC
Weight	< 13.2 Lbs (6 Kg)
Compatibility	> 25 platforms, MIL-E-5400, MIL-A-49425, MIL-STD-461E

*Enhanced Signal Data Computer

Ferranti Technologies Ltd.
Cairo House Waterhead Oldham OL4 3JA England
Tel: +44 (0) 161 624 0281 Fax: +44 (0) 161 624 5244
E-mail: sales@ferranti-technologies.co.uk
WEB: www.ferranti-technologies.co.uk

FERRANTI TECHNOLOGIES

FERRANTI TECHNOLOGIES

DNVG

Display Night Vision Goggles

July 09

Display Night Vision Goggles (DNVG)

The new generation DNVG features enhanced situational awareness by adding Line-Of-Sight technology to the already proven DNVG system

A proven solution for utility and attack helicopters

The DNVG is suitable for both utility and attack helicopters. Operating on over 5000 helicopters and 25 different platforms, the DNVG can be installed on any helicopter - eastern or western.

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

DNVG-T system – New Capabilities

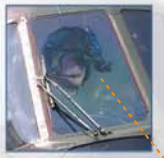
Ferranti Technologies introduces its next generation DNVG system designed to provide enhanced day/night situational awareness and increased survivability.
The new DNVG-24T combines the legacy DNVG helmet mounted display with innovative Line-Of-Sight (LOS) technology and Day HUD capabilities,
enhancing crew coordination while facilitating
operation of helicopter systems.

DNVG Tracker

Enhanced crew coordination and targeting

The new DNVG-T system offers an optional head-tracking capability that enhances crew coordination and improves the pilot's targeting and cueing capabilities. Based on unique electro-magnetic head tracking algorithms, DNVG-T slaves the helicopter's systems to the pilots' Line-Of-Sight (LOS) while displaying Electro-Optic Payload (EOP), weapon systems and the co-pilot's LOS symbols. The Tracker can be easily installed on in-service operational systems, by simply adding an extra card to the DNVG computer and installing the magnetic receiver unit onto the standard helmet.

- **Improves crew coordination**
  by displaying both pilot's Line-Of-Sight
- **Reduces intercom traffic**
  by allowing head-movement communications between the pilots in the cockpit
- **Facilitates targeting**
  by using the tracking display to continuously view the estimated impact point of any selected weapon system
- **Improves mission efficiency**
  by slaving the helicopter's systems to the pilot's LOS
- **Enhances helicopter self-protection**
  by slaving the armament to the pilot's LOS, rapid weapons firing is enabled
- **Improves situational awareness**
  by superimposing vital mission symbology such as waypoints, targets, PUP's and LZ's onto the real world view



Slaves the helicopter's systems to the pilots' Line-Of-Sight:

- EOP (Electro-optic Payload)
- Weapon systems
- Navigation systems