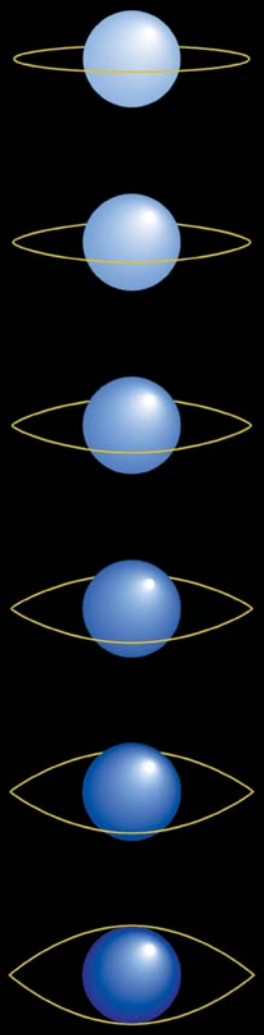




HELIMUN

Helicopter pilots Night Vision System





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HELIMUN is a high performance stereoscopic night vision system for helicopter pilots, available with 40° or unique 60° field of view.

New Design

HELIMUN has been specifically designed to fit easily onto a pilot's helmet. Principal enhancements are the new XD-4 or XR-5 Image Intensifiers, individual interpupillary adjustment, large eye relief and exit pupil, a newly designed power module that is built onto the back of the helmet to increase the user's comfort and a new ANVIS type bracket. The mounting of HELIMUN can be easily adapted to fit almost all kinds of pilots' helmets.

New Image Intensifiers

The new XD-4 Autogating and XR-5 image intensifiers provide a high resolution image in all light conditions. In addition, these new image intensifiers have higher photocathode sensitivity, signal-to-noise ratio, a more stringent blemish specification and a higher burn-in resistance compared to standard intensifiers.

Exceptional performance

HELIMUN provides a very high image quality over a much greater range of eye positions than the standard 15 mm eye relief eyepieces, ensuring that all users have the full field of view (40° or 60°).

HELIMUN greatly simplifies the task of centering an eyepiece directly in front of each eye. Further, the new mechanism reduces monocular wobble.

FEATURES

- Very high image quality
- 40° or 60° Field of View
- Increased comfort
- Flip-up / Switch-off
- Integrated IR LED
- Large eye relief and exit pupil eyepieces
- New bracket with adjustments in 4 directions
- Individual interpupillary distance adjustment
- New power module on the back of the helmet with back-up batteries
- Minus Blue filters for cockpit lighting compatibility
- Low distortion optics
- Adaptable to all pilots' helmets

Quality

The quality management system applied by OIP Sensor Systems for design, development and manufacturing of opto-electronic systems, is compliant with and includes the requirements of ISO 9001:2000, AQAP-110 Ed.2, ECSS-Q-20A and has been certified by the British Standard Institute under certificate N° FM 80768.

TECHNICAL SPECIFICATIONS

	40° FOV	60° FOV
Magnification	1x	1x
Field of View	40°	59°
Dioptr adjustment	-5 to +2 dioptre	-6 to +3 dioptre
Interpupillary adjustment	49 to 76 mm	49 to 76 mm
Tilt adjustment	min 10°	min 10°
Exit pupil	10 mm	10 mm
Eye Relief	25 mm	18 mm
Focal Range	25 cm to ∞	25 cm to ∞
IR-LED	incorporated	incorporated
Minus Blue filter	standard	standard
Flip-up/Switch-off	standard	standard
Battery type/life	2 standard AA size + set of back-up batteries Alkaline : ≥ 100 h + 100 h	
Environmental	MIL-STD-810E	MIL-STD-810E

Data are for information only and can be subject to change without prior notice.

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