

REVISED

GEC AVIONICS

CATS EYES

The Unique Aviators Night Vision Goggle



The Only Night Vision Goggle System Designed for both Helicopter and Fighter Airplane Pilots

...Cats Eyes offers the unique combination of:

- Full Binocular Night Vision.
- Direct vision with electro optical image overlay.
- Compatible with Holographic Head Up Displays.
- Full Color Display Compatibility.
- Wrap around Peripheral Vision.
- Flight proven on both Fixed Wing Aircraft and Helicopters.
- Complete Redundancy for Safety.
- Made by the World's Most Experienced Night Vision System Manufacturers...

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Versatility...

Cat Eyes are the first Night Vision Goggle System to be designed for all types of airborne operations, and the first to offer a full see-through capability. They use a totally new optical technique to present electro-optical imagery from a conventional image intensifier tube on a transparent combiner in front of each eye. This image is scaled 1:1 with the outside world, and superimposed on it.

When a Head Up Display is viewed through conventional NVGs, the image resolution is severely degraded (or even rendered totally invisible in the case of a holographic HUD). Cats Eyes allow a pilot to see his HUD imagery directly with no loss of resolution.

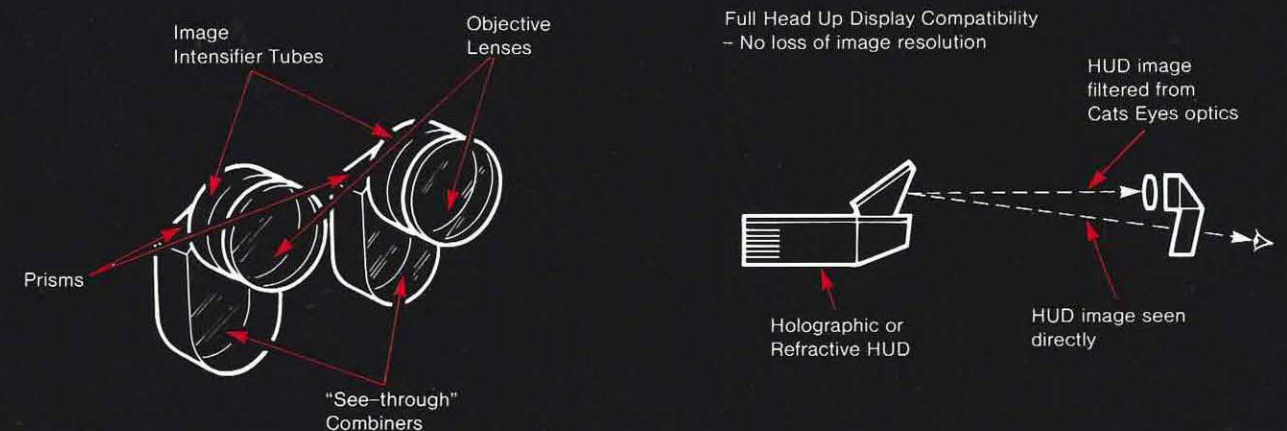
The "see-through" optical system also allows the pilot the view all his cockpit instruments directly, using normal NVG-compatible lighting. Tests have demonstrated the ability to view color CRT imagery directly.

The unique optical arrangement offers uninterrupted peripheral vision, including the ability to see laterally between the two combiners – this helps maintain pilot orientation in all phases of flight.

The goggles have been designed to be fully compatible with eye protection devices. They can be used with most types of chemical warfare respirator, and can use a modified helmet visor. The eye relief is sufficient to permit the use of normal aircrew spectacles when necessary.

Cats Eyes have been proven in all modes of flight both in ground attack fighters and in helicopters. The total compatibility with the cockpit instruments, the Head Up Display and the outside world has been conclusively demonstrated. For the first time pilots in all types of aircraft can be given the freedom to scan outside freely at night, with no loss of cockpit information.

...with continuity of Vision.



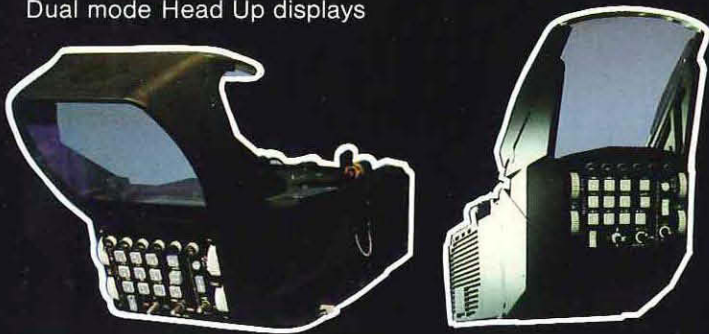
Based on Experience ...

Specification

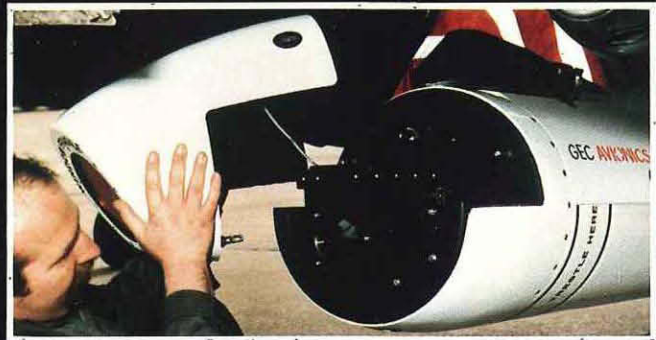
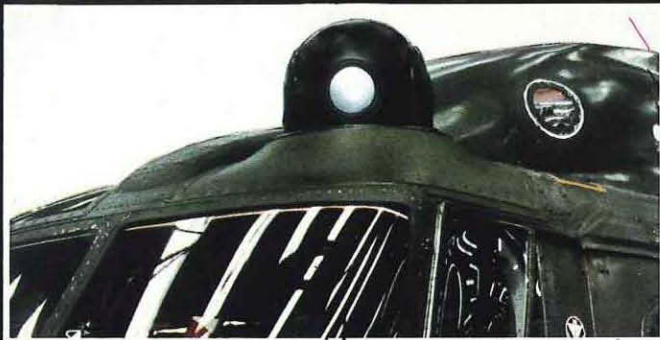
GEC Avionics is the worlds most experienced supplier of complete night vision systems:

Field of View:	30° circular
Eye Relief:	25 mm
Weight:	1.7 lb
Objective:	F1.25
Overall Length:	3.5 inches
Batteries:	2 x 18 hour endurance (NVG Approved)
Adjustments:	Height Interocular Tilt Fore and Aft
Image Intensifier Tubes:	Generation 3

Dual mode Head Up displays



Forward Looking Infra Red



Night Vision Goggles



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