



GEC AVIONICS

**GEC AVIONICS
HH 401 MonoHUD
Helicopter Sighting System**

"Following careful evaluation of the GEC Avionics MonoHUD in the AUH-76, including extremely successful firing demonstrations (guns and rockets), Sikorsky Aircraft has been pleased to designate the HH 401 MonoHUD system as the recommended basic Head-Up Display for the AUH-76."

www.rochesteravionicarchives.co.uk



GEC Avionics MonoHUD redefines the helicopter sight, introducing new possibilities for helicopter tactical flexibility. It is a system conceived to ensure maximum aircraft effectiveness at every level of complexity. As a stand-alone Head Up Display, it is a high-quality, reliable gunsight. But MonoHUD is designed for maximum growth potential. As new weapon systems and other avionics are added to the Eagle, MonoHUD can be easily upgraded to an advanced weapon aiming computer and Head Up Display for flight/navigation parameters.

From simple reticle sight to advanced weapon aiming computer, MonoHUD provides reliable, accurate sighting solutions in a compact, low cost, expandable package.

Advantages of The HH 401 MonoHUD

Improved Sighting Accuracy, Greater Survivability

- Head Up, eyes out flight allows pilot to concentrate on the outside world during critical maneuvers.
- Extra-large field of view, vibration-free display symbology for quick adaptation and increased weapon aiming confidence.

Maximum Expandability for Greater Tactical Flexibility

- Add or substitute weapon systems or other avionics. The HH 401 accepts a comprehensive line of analog, discrete, synchro, ARINC 429 and MIL 1553B inputs.

- Integrate with simple avionics for computed air-to-ground weapon aiming solutions:
 - Continuously Computed Impact Point
 - Missile Mode.

Fighter aircraft experience has shown these modes to be up to three times more accurate than depressible reticle aiming.

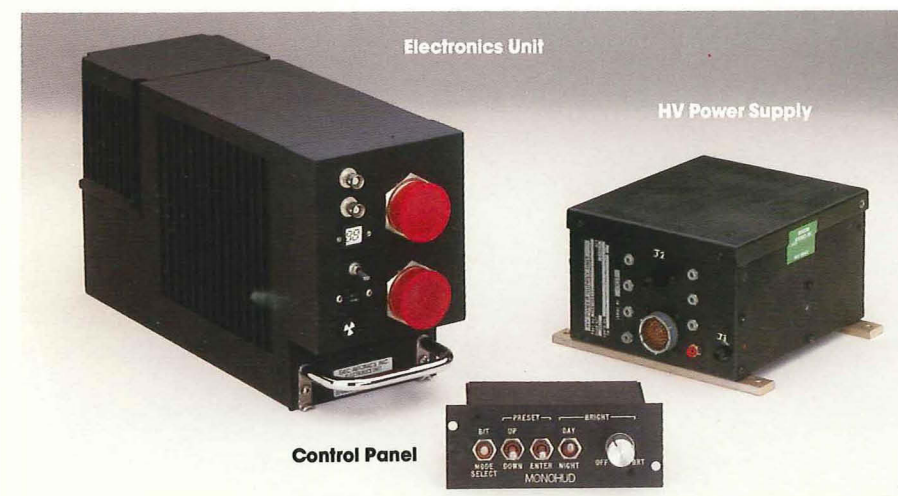
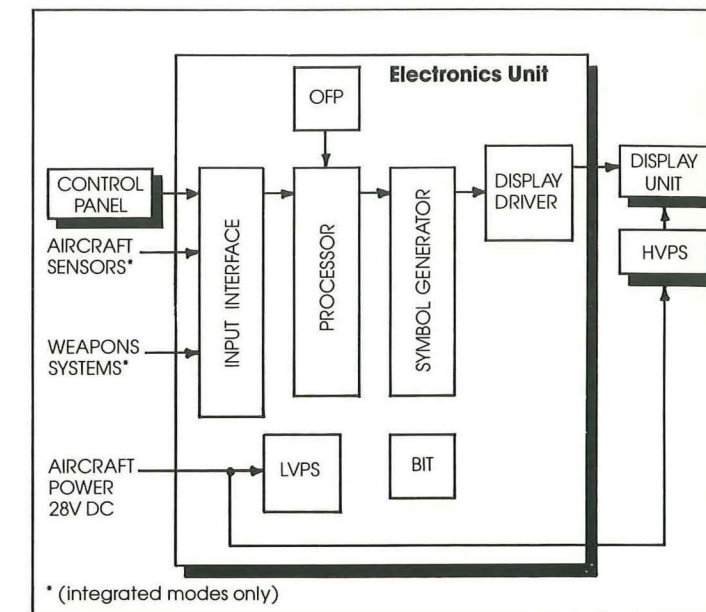
- By adding further avionic sensors, upgrade MonoHUD to include the air-to-air weapon aiming mode.
 - Continuously Computed Impact Line.
- Exploiting the potential of fully integrated instrumentation, display *Head Up* full flight and navigation parameters — e.g. torque, airspeed, altitude, heading and attitude. This mode enhances safety of operation during nap-of-the-earth flight.

Compact Design for Maximum Utilization of Cockpit Space

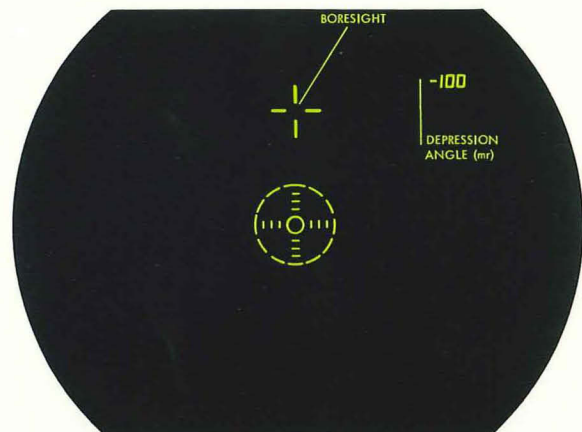
- Monocular Display Unit allows an unobstructed view of instrumentation or outside world in either the stowed or operational positions.
- No structural airframe modification required.
- Total system weight approximately 28 lbs.

Convenient to Maintain and Repair

- Built-in test eliminates need for external support equipment at organizational and intermediate levels.
- MTBF over 2500 hours.



MonoHUD is a product of GEC Avionics, the world's leading supplier of Head Up Displays. GEC Avionics has more than 20 years of experience in the development and manufacture of HUD systems for aircraft such as the A-4, A-7, F-5 and F-16.



Electronically Depressible Reticle

For simple applications when no avionics inputs are available.



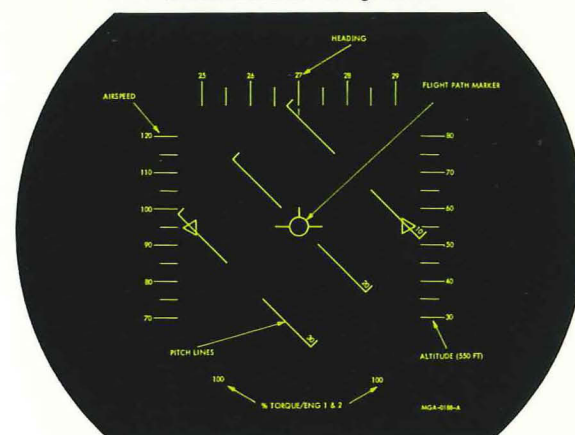
Continuously Computed Impact Point

Uses aircraft flight data to predict the impact point of bullets and rockets on the ground.



Continuously Computed Impact Line

Visually portrays the path bullets will take by using a tracer line passing through an aiming point. An easy-to-use, accurate air-to-air solution.



Navigation

Integrates aircraft gyro systems and air data computer outputs to display current flight information.

This document gives only a general description of the product(s) and shall not form any part of any contract. From time to time changes may be made in the product(s) or in the conditions of supply.



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