

MonoHUD AN/AVQ-34(B)

Weapons-Aiming Computer / Head-Up Display

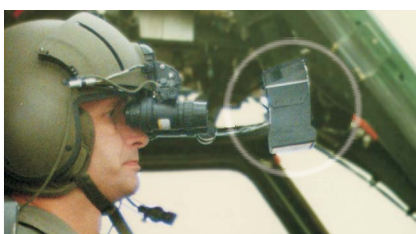
- Combat-proven
- Enhanced operational capabilities for weapons-aiming computer / head-up display
- Modular hardware and software design commonality between airframes
- Night-vision goggle compatible
- Easily deployed display on a pivoting mount
- Independent pilot / co-pilot displays
- Significant expansion capabilities

The BAE Systems MonoHUD weapons-aiming computer and head-up display redefines aircraft sighting and introduces new possibilities for helicopter tactical flexibility.

MonoHUD ensures maximum aircraft effectiveness at every level of mission complexity. As a stand-alone head-up display, it is a high quality, reliable gunsight and navigational aid. As an advanced weapons-aiming computer and aiming reticle, MonoHUD provides reliable, highly accurate sighting solutions. Weapons that may be fired

using the MonoHUD include everything from fixed forward-firing guns and rockets to air-to-air Stingers.

MonoHUD includes the Advanced Symbol Generator, designed for maximum growth potential and flexibility. It accepts a comprehensive line of interfaces, including 1553B, analog, discrete, synchro, and ARINC 429. Built-in provisions allow the system to drive two display units for dual pilot installations in a compact, low-cost, expandable package.



MonoHUD installation with night vision goggles in place or raised



MonoHUD Specifications

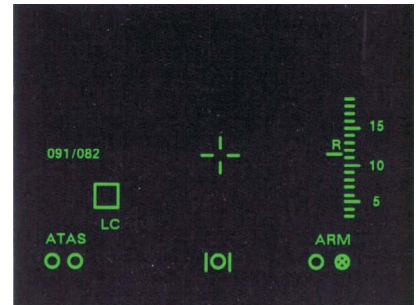
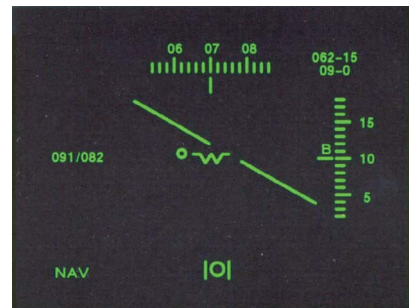
- Total field of view (FOV) 30° horizontal by 24° vertical
- Instantaneous FOV 22° horizontal by 18° vertical at 4" Design Eye
- Contrast ratio Nominally > 1.2:1 against 10,000 Ft.L (daylight bright)
- Line width 1.2 ± 0.3 mR
- Mean time between failure Greater than 2800 hours
- Power requirement 28 VDC (MIL STD 704), maximum power requirement 100W, typically 60W
- Interfaces MIL-STD-1553B, analog, discrete, synchro, ARINC 429
- Expandability New weapons systems / helmet-mounted HUD / multiple interfaces

Physical Characteristics

- Display Unit 3.5" x 3.5" x 12"; 5 lbs.
- Advanced Symbol Generator 10.5" x 8.0" x 4.5" (½ ATR Short); 8.5 lbs.
- High-voltage power source 8" x 4.5" x 4.5"; 6.8 lbs.

Environmental Qualifications

- Based on MIL-E-5400T Class 1B
- Maximum operational altitude 20,000 ft.
- Ambient temperature range -40°C to +55°C
- EMI/EMC to MIL-STD-461E
- MIL-STD-810F



Sample weapons aiming symbology

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