

# MiDASH

## Modular Integrated Display and Sight Helmet



MiDASH allows helicopter pilots to fly head-out day and night while receiving flight mission information and weapon targeting symbology using the pilot's Line of Sight (LOS) tracking system.

The system provides attack and reconnaissance helicopter pilots with wide fields of view (FOV), see-through binocular night imagery, flight information and LOS cueing for day and night operation.

MiDASH comprises a standard helmet shell with personal fitting device. The left and right optical modules are Helicopter Retained Units (HRU) attached to the pilot by snap-connectors. A small quick disconnect Vest Mounting Unit allows the pilot to egress with the system while night operation is on backup mode.



### SYSTEM SPECIFICATIONS

- Binocular, night imagery FOV: 50°H x 40°V
- Day and Night symbology FOV: 30° circular
- Unobstructed FOV: 120°H x 70°V
- Eye Relief: >50 mm
- See-through transmission: >50%
- Position accuracy : <4 mRad
- Optimal Viewing Distance: 3 meters to Infinity
- Day Symbology: CR: >1:1.4 @ full sunlight (10,000 FC)
- Night vision: "Super Gen '98" or Gen III
- Visor: Dark (clear option)
- Weight: Std. shell with accessories: 1.1 kg  
Left & Right HRUs: 1.1 kg (max)  
Total Weight (night operation): 2.2 kg
- Cueing Performance ( Electromagnetic Tracker):

Angular coverage: Azimuth: +/- 120°  
Elevation: +/- 35°  
Roll: +/- 30°

LOS Accuracy: < 6 mRad RMS



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