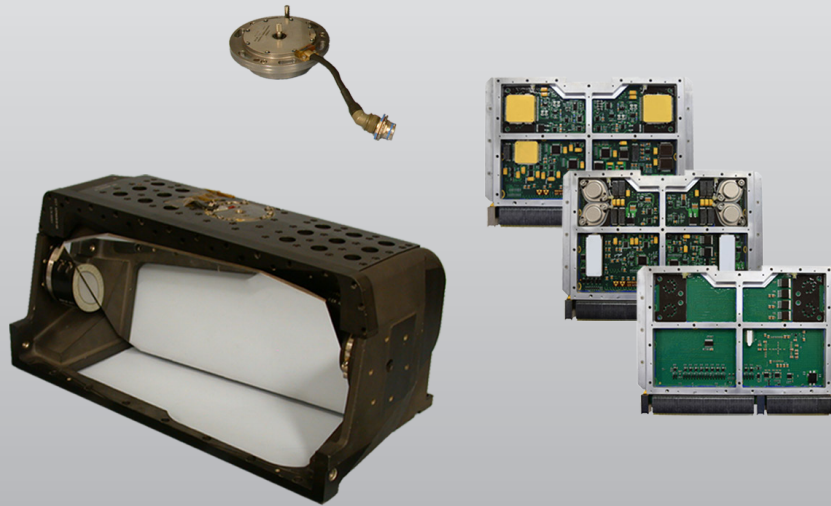


Dual-Axis Head Assembly

Line-of-Sight Stabilization



Enhanced On-the-Move Stabilization

The Kearfott Dual-Axis Head Assembly (DAHA) is a key element of the fire control system on main battle tanks and other fighting vehicles requiring stabilized guns and sights. The DAHA provides turret reticle stabilization in the presence of harsh environments, increasing situational awareness and keeping rounds on target. The system provides improved image acquisition and target tracking on the battlefield and is operated with Kearfott-designed circuit card assemblies with available PCIe or VMEbus interfaces.

The DAHA's control algorithms and electronics provide true fire-on-the-move capability by stabilizing the sight image over rough terrain and harsh vibration environments, in addition to providing inertially stabilized position commands to the main gun.

Features & Benefits

- ✓ Best-in-Class On-the-Move Sight Stability in Harsh Environments
- ✓ Utilizes Advanced Control Algorithms to Maximize Sight Stability
- ✓ Stabilizes Large Caliber Weapons or Turrets with Minimal Boresight Walk Off

DAHA Product Specifications

<i>Physical Characteristics</i>	
Overall Dimensions	8.8 in H x 11.5 in D x 18 in W (22.35 cm H x 29.21 cm D x 45.72 cm W)
Mirror Dimensions	9.4 in x 13.3 in (23.88 cm x 33.78 cm)
Weight	57 lbs (25.85 kg)
Power	24 VDC, 150 W (max)
LOS Excursion	Elevation: +22° to -16° Azimuth: +5° to -9°
<i>Performance Capabilities</i>	
Ambient Stabilization	< 2 µRad
On-the-Move Stabilization	< 70 µRad
Built-in-Test Coverage	Fault Detection: 95% Fault Detection: 90%
Tracking Rate Capability	Elevation: 750 mils/sec Azimuth: 750 mils/sec