

DAHA

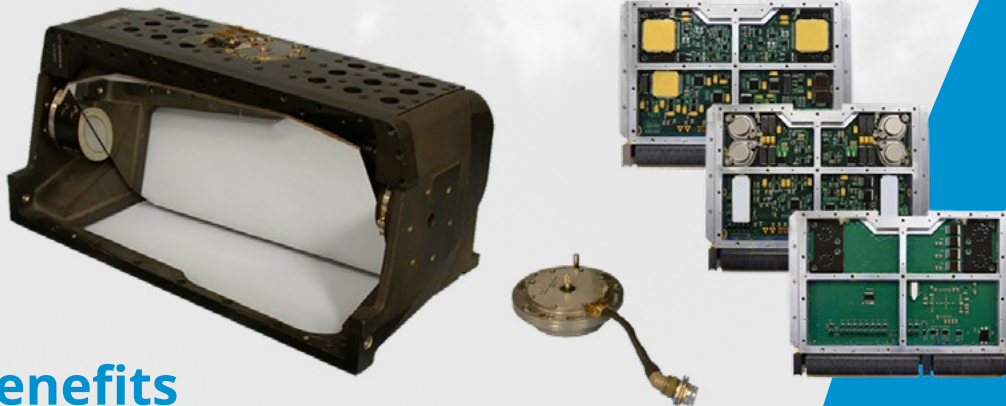


DUAL-AXIS HEAD ASSEMBLY

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.

Experience true fire-on-the-move capability with stabilized sight image over rough terrain and harsh vibration, in addition to providing inertially stabilized position commands to the main gun.



Benefits

- Maximize Sight Stability
- Advanced Control Algorithms
- Stabilize Large Caliber Weapons or Turrets
- Minimal Boresight Walk Off

Improved Image Acquisition

The system provides improved image acquisition and target tracking in harsh battlefield environments and is operated with either PCIe or VME control electronics.



Military Land Vehicles

**MAIN BATTLE
TANK & FIGHTING
VEHICLE
LINE-OF-SIGHT
STABILIZATION**

Best-in-Class On-the-Move Sight Stability in Harsh Environments



Kearfott

DUAL-AXIS HEAD ASSEMBLY

PRODUCT SPECIFICATIONS

Physical Characteristics

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°

Performance Capabilities

Ambient Stabilization

< 2 μ Rad

On-the-Move Stabilization

< 70 μ Rad

Built-in-Test Coverage

Fault Detection: 95%
Fault Detection: 90%

Tracking Rate Capability

Elevation: 750 mils/sec
Azimuth: 750 mils/sec



ON COURSE. ON TARGET. ON POINT.

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