Helmet Mounted Sighting System

HELMET MOUNTED SIGHTING SYSTEM

- Low cost/ low weight, missile and sensor pointing system
- Provides a complete 'Look & Lock' off-boresight missile aiming capability
- High accuracy Helmet Tracker
- High brightness , low voltage reticle display
- Fits standard aircrew helmet
- In production

BAE SYSTEMS

Helmet Mounted Sighting System

The BAE SYSTEMS Helmet Mounted Sighting System (HMSS) provides an extremely light weight, reliable, low-cost solution to all cueing, sensor slaving and off-boresight missile aiming requirements.

The HMSS provides a state of the art solution by combining BAE SYSTEMS 'Striker' Helmet Mounted Sight (HMS) and an exceptionally accurate Helmet Tracker.

The BAE SYSTEMS 'Striker' HMS is a light weight, monocular, high brightness reticle display unit fitting onto a range of aviators helmet shells using the standard clear visor with a small reflective patch added. The HMS concept was developed by BAE SYSTEMS research laboratories in conjunction with the Defence Evaluation Research Agency at Farnborough and is shown fitted to Helmet Integrated Systems Ltd's Alpha/Mk10B helmet assembly.

HMSS has been extensively flight tested on the RAF Jaguar and is now optimised for a full range of head sizes, ruggedised for reliability, flight qualified and in series production.

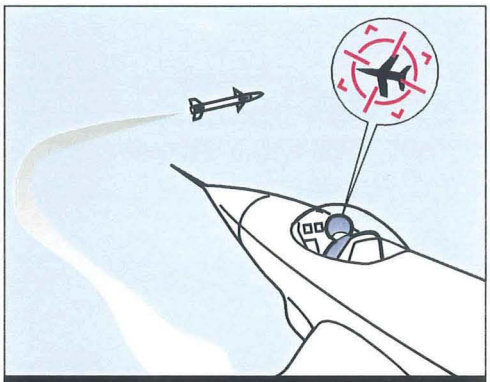
It is in full operational service with the UK RAF and has been selected for the Royal Air Force of Oman Jaguar upgrade programme.

Helmet Mounted Sighting System
safe, effective, flight proven and in series production.

PERFORMANCE FEATURES

- **High brightness, low voltage visor projected LED reticle.**
- **Large Exit Pupil - 16mm circular.**
- **Large eye relief - Compatible with prescription spectacles.**
- **2° Field of view - Optimised for Air-to-Air and Air-to-Ground target acquisition.**
- **Selectable display configuration.**
- **>70% Real World Transmission through reflective visor patch.**
- **Minimum added weight.**
- **Unlimited head motion box in cockpit.**
- **High installed system accuracy.**
- **High speed, low-latency performance.**
- **Single system capable of driving single or dual seat aircraft.**

ROYAL AIR FORCE JAGUAR



LOOK AND LOCK OFF-BORESIGHT MISSILE AIMING

FOR MORE INFORMATION CONTACT

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