Helmet-Mounted Sight & Display
designed by pilots, for pilots

TopOwl - F

Helmet-Mounted Sight & Display
designed by pilots, for pilots

www.thalesgroup.com
Thanks to the extensive Thales HMSD experience, TopOwl-F design offers the best trade-off between operational requirements and safety.

TopOwl-F makes use of successful technologies already developed and proven on TopOwl HMSD helicopter variant.

- Pilot safety
- Pilot health
- Pilot comfort

- Head tracking system
- Modular concept
- Visor projection
- Form fitting
- More than 500 units delivered
- Flying in 15 countries and 5 platforms

Validated by three main air framers.
TopOwl-F
WORLD CLASS TECHNOLOGIES
FOR UNRIVALED PERFORMANCES

The safest helmet
- The lightest helmet on the market - Headworn weight: < 1.5 kg
- Optimized balance
- Qualified windlast 625 Kts
- Unlimited peripheral vision
- Large eye relief compatible with prescription glasses
- Laser protection

Improved technologies
- Accurate Head Tracking System
- High precision form fitting

Technical features
- Monocular 20°
- Visor projection
- Video recording

Qualified and flight proven
- Qualified on Mirage 2000-5 and MiG-29
- Selected by French Air Force and Dassault on Mirage 2000-5
- Selected by MiG corporation to equip MiG-29 K for the Indian Navy

Modular design
- One basic helmet per pilot
- One display module per seat
- Night vision capability
- Reduced cost of ownership
TopOwl-F
A FORCE MULTIPLIER FOR FIGHTER

A MULTI-ROLE SYSTEM IMPROVEMENT FOR AIR-TO-AIR AND AIR-TO-SURFACE MISSIONS

Designation

- Off-boresight designation to sensors
  - Pilot to radar
  - Pilot to missile
  - Pilot to INS
  - Pilot to targeting pod

TIME SAVING, ENERGY SAVING
WEAPON FIRING OPPORTUNITY INCREASE

Situation awareness

- Off-boresight visual acquisition from sensors
  - Radar to pilot
  - Missile to pilot
  - INS to pilot
  - Targeting pod to pilot
  - Data link to pilot
  - ECM to pilot

SITUATION AWARENESS IMPROVEMENT

Dual seater L.O.S. management

- Front seat to back seat designation
  - Back seat to front seat designation

SAFETY AND OPERATIONAL EFFECTIVENESS ENHANCEMENT

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