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 HMSC 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 HMSC 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 UNRIVALLED 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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