AIRBORNE OPTRONICS

TALIOS
New generation multi-function targeting pod

- Designed around operational feedback from users
- Benefits from Thales' 40 years of expertise in reconnaissance and laser designation systems
- First pod to cover the entire critical decision chain from intelligence gathering to weapon delivery
- Plug & fight system for integration on all existing and future fighters
- Ordered by domestic (French AF and Navy) and export customers
AIRBORNE OPTRONICS

TALIOS
New generation multi-function targeting pod

MISSIONS

Multifunction:
Targeting to NTISR, Air to Surface and Air to Air

AIR-TO-GROUND
- Compatible with laser guided weapons, INS/GPS guided missiles and imagery-guided weapons
- Attacks in autonomous or cooperative mode, using integrated laser spot tracker and laser marker
- Long range damage assessment capability
- Target recognition capability
- Positive identification in complex environments
- 3D localisation
- Integrated navigation FLIR
- Cooperative bidirectional data-link

RECONNAISSANCE
- Day/night dualband reconnaissance modes

AIR-TO-AIR
- Day/night airborne target identification

TECHNICAL CHARACTERISTICS

Open architecture and a high level of functional integration.

IR IMAGERY
- Continuous electronic zoom 4.8° to 0.12°
- Spectral band: 3.5μm
- Field of View:
  - Very Wide FoV 24° x 18°
  - Wide FoV 4.8° x 3.6° & Narrow FoV 1° x 0.75°

TV IMAGERY
- Continuous electronic zoom 7.0° to 0.06° (with PiP)
- Spectral band:
  - 0.35 to 0.7μm & 0.7 to 0.9μm
  - Field of View: from 0.77° x 0.58° to 7° x 5.5°

LASER RANGE-FINDING
- Wavelength: 1.5μm
- Eye-safe

LASER DESIGNATION
- Wavelength: 1.06μm
- STANAG 3733

LASER SPOT TRACKER
- Wavelength: 1.06μm
- STANAG 3733

LASER MARKER
- Wavelength: 0.8μm

RECORDING/IN FLIGHT REPLAY
- Multi-channel HD digital recorder
- ARINC-818 Digital Video Output

KEY FEATURES
- A complete new modular design based on new technologies to allow implementation of additional features during the life cycle
- HD sensors (IR and TV including colour) with outstanding long range capabilities to strike from Close Air Support to stand-off distances
- Powerful laser provides the aircraft with both stand-off range and tactical capacity
- Robust multicriteria detection and tracking algorithms, for fixed or moving targets
- Continuous Situation Awareness through Permanent Vision™ concept; Pod image embedded in synthetic terrain with intuitive interface (flags, Picture in Picture, lethal and risk area indicators, enhanced symbology…)
- On-line status and repair maintenance mode

THALES OPTRONIQUE SAS – 2, avenue Gay-Lussac – CS 90502 – 78995 Elancourt Cedex – France
Tel: + 33 (0)1 30 96 70 00 – Fax: + 33 (0)1 30 96 75 50

THALES - October 2017 Technical characteristics are given for information and subject to change without prior notice.

Design and production: TEMPS PRESENT © Photos: THALES – Dassault Aviation