TALIOS, Thales new generation Targeting and Reconnaissance pod, delivers unmatched imagery quality combined with disruptive capabilities such as Permanent Vision™ and Automatic Target Detection Recognition, bringing unique Situational Awareness to front line pilots and ground forces.

- Benefits from Thales’ 40 years of expertise in targeting and reconnaissance systems
- Designed around operational feedback from users
- Qualified by French Procurement Agency
- Already delivered to French Air Force and French Navy, and ordered by foreign customers

AIRBORNE OPTRONICS

TALIOS
New generation omnirole pod
TALIOS
New generation omnirole pod

MISSIONS
Multifunction:
Targeting and advanced ISR, Air to Surface
and Air to Air

AIR-TO-GROUND
- Compatible with laser guided weapons, INS/GPS
guided missiles and imagery-guided weapons
- Target recognition capability
- Positive identification in complex environments
- 3D localisation
- Attacks in autonomous or cooperative mode, using
  integrated laser spot tracker and laser marker
- Long range damage assessment capability
- 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
- High performance targeting and recce capabilities
  with onboard Artificial Intelligence (Automatic Target
  Detection and Recognition)
- Pilot-centric approach providing continuous
  Situational Awareness through Permanent Vision™
- HD infrared and visible sensors including colour
- Powerful laser designation with outstanding long
  range capabilities to strike from Close Air Support
  to stand-off ranges
- Robust multicriteria detection and tracking algorithms,
  for fixed or moving targets
- Equipment availability maximized thanks to SmartFleet™ solution
- Innovative design allowing future and scheduled
  additional functions