

For more than 50 years, Thales has been at the forefront of the Electronic Warfare technologies for airborne platforms.

Capitalizing on this unrivalled experience in Radar Warning Receivers, Thales has developed the CATS family which provides a cost-effective solution for equipment of a wide range of helicopters.

The CATS family features all state-of-the-art functions required for:

- ▷ hostile environment situation awareness,
  - ▷ helicopter self-protection,
- both combined in a single lightweight equipment.

CATS is based on proven digital technology, coming from new generation multi-mission EW solutions implemented on modern aircraft.

**CATS: The optimized solution to your need.**

- ▷ Real-time detection of multiple simultaneous air defence threats
- ▷ High performance RWR for tactical situational elaboration and sharing
- ▷ Flexible installation on various platforms (helicopter, fixed wing aircraft, UAV, etc.)



## CATS

Compact airborne threat surveyor for helicopter





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### Compact airborne threat surveyor for helicopter

#### Multi-function EW

The CATS system multiplies operational platform mission effectiveness in dense modern and fleeting theatres by simultaneously providing:

- Real-time battlefield situation awareness to avoid threats or hand-over targets to weapon system in a sensor to shooter concept
- Radar warning and immediate alert to pilot for pulse, pulse doppler and CW multiple radar emitters associated with air and surface threats
- ESM function
- On board data recording
- EW core system management and multi-sensor data fusion.

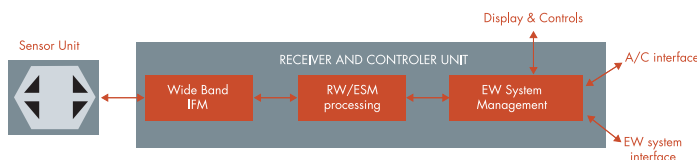
#### Easy aircraft integration

The modular architecture of CATS allows easy integration on any type of helicopter through single lightweight equipment.

- Stand-alone configuration with dedicated cockpit colour display and provisions to interface with mission system and avionics equipment
- Fully integrated configuration, compatible with mission data bus, multi-function displays

The modular concept and open architecture of CATS can be tailored to customers need and mission requirements.

With more than 4,000 self-protection equipment and radars installed on board combat aircraft for more than 40 air forces worldwide, Thales has a strong experience as equipment supplier, partner or prime contractor of combat solutions.



#### Main Features

- Instantaneous 100% POI Radar Warning
- High sensitivity receiver
- Automatic instantaneous identification
- Fully user programmable library
- User-friendly MMI on colour display and NVG compatible
- Extensive on board data recording
- SPS processing (Radar, Laser, Missile Warning, Chaff & Flare Dispenser, Jammer) and optimisation of counter measures employment
- Compatible with off-board transmission to other platforms and multi-platform cooperation
- Comprehensive set of mission planning, training and support tools
- On board training
- Minimal life cycle cost maintenance concept: BIT, standard boards, modular architecture
- Powerful COTS processing with growth potential
- Digital receiver (optional)
- Large interface capabilities

#### Technical characteristics

- Frequency range E-K band (C-D band optional)
- Coverage 360° Azimuth +/- 45° Elevation
- DF accuracy better than 10°
- Library > 5,000 modes
- Size (processing unit) 194 x 157 x 318 (ARINC 600, 5MCU)
- Weight (w/o display) < 10 kg
- Power (w/o display) < 125 W (28 V DC)
- MTBF > 700 H

#### THALES SYSTÈMES AÉROPORTÉS

2, Avenue Gay-Lussac – 78851 Elancourt Cedex – France – Tel.: +33 (0)1 34 81 95 96 – Fax: +33 (0)1 34 81 65 88  
 Manor Royal, Crawley – West Sussex RH10 9HA – United Kingdom – Tel.: +44 (0)1293 580000 – Fax: +44 (0)1293 580111  
 www.thalesgroup.com