

MILACAS-XR TCAS II Processor for tanker and transport aircraft

Military Airborne Collision Avoidance System Extended Range (MILACAS-XR)

Incorporates Change 7.1 logic and hybrid surveillance to provide a 2x greater surveillance range than ETCAS, significantly reducing the risk of collision while meeting mandates for civilian airspace access.



Safety

Increases Flight Safety

Identifies all aircraft in range of surveillance of up to 100 nautical miles

- Reduces Pilot Workload
- Advisory Action Callouts

Integrates MOPS Change 7.1 Technologies

Includes safety related enhancements to TCAS and TCAS Reversals:

- Improves TCAS resolution advisory (RA) sense
- Issues RA reversals in coordinated encounters
- Updates TCAS reversal advisories for clarity

Enables Safer Flight Formations

Formation/Rendezvous System allows aircraft operators to locate, identify, rendezvous with and maintain flight formation with other aircraft.

Performance

2x Greater Surveillance Range than ETCAS

Delivers same functions as ETCAS, *plus*



Increased surveillance range to 100 nautical miles for 360° azimuth



Improved interrogation methods



Hybrid surveillance (automatic dependent surveillance broadcast - ADS-B)



MILACAS-XR: Change 7.1 TCAS is compatible with the APX-119 IFF and other similar IFFs

Smart Traffic™ TPA-100 family of ACAS II Processors provides higher reliability and future growth to ADS-B In.

- MILACAS-XR approved for installation on all military aircraft
- Available in both a 6 modular concept unit (MCU) and 4 MCU model
- Meets current industry mandates for access to civilian airspace

Value

Up To 25,000 Hours

Mean Time Between Failure (MTBF)
Improved performance with lower cost of ownership



Reduced Maintenance Costs



Drop-in Replacement

Plug and play installation requires no aircraft modifications or changes to wiring, trays or antennas



Global Service and Support Network

Knowledge and resources for all service needs – whenever and wherever maintenance and repair services are required