

## 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