



SIGMA 95N

HIGH-GRADE INERTIAL & HYBRIDIZED NAVIGATION SYSTEM

Suited for the most demanding missions, SIGMA 95N provides high-grade navigation performance, accuracy and flexibility, even in GPS-denied environment.



INERTIAL PERFORMANCES
< 0.5 NM/H



MODULAR & VERSATILE INTERFACES



COMBAT PROVEN



ITAR FREE



Safran Electronics & Defense is with you every step of the way, building in the intelligence that gives you a critical advantage in observation, decision-making and guidance.

Technical specifications

Designed for advanced military fighters, helicopters and tactical transport aircraft, SIGMA 95N combines all the advantages of an optimized hybrid inertial navigation system in a single LRU. Field proven, SIGMA 95N is in service for more than 15 years on over 1,000 fixed wing and rotary wing aircraft.

Based on Safran’s expertise in inertial sensors, navigation and electronics integration, SIGMA 95N incorporates highly accurate 32 cm digital Ring Laser Gyros.

Using a powerful multimode Kalman filter, SIGMA 95N optimizes the alignment and navigation capabilities, from stationary to moving conditions, either on land, on aircraft carrier deck or in flight.

Thanks to its versatile interfaces and open architecture, SIGMA 95N can also integrate all available sensors (GPS, Glonass, IRNSS, BEIDOU, air data system, etc.).

Easy to maintain and highly reliable, SIGMA 95N ensures the aircraft availability for the most demanding missions. Operational, Intermediate or Depot level maintenance could be available.



CHARACTERISTICS	SIGMA 95N
SIZE	16 liters
WEIGHT	15 kg
POWER	< 45 W (option 115 VAC)
MTBF	> 5,000 h
ENVIRONMENT	MIL-STD-810 / MIL-STD-461 standards
PERFORMANCES	Pure inertial mode: • Position: < 0.5 Nm/h • Velocity: < 0.5 m/s • Roll, pitch: < 0.03° • Heading: < 0.05° Hybrid mode: • Position accuracy (CEP): < 10 m
INTERFACES	• MIL-STD-1553 bus • RS 422 • ARINC 429 (optional) • Analog and synchro (optional)

ACCURACY & INTEGRITY
Guaranteed by the quality of sensors and algorithms

ROBUSTNESS & RELIABILITY
Guaranteed by mature innovations

EASY TO INTEGRATE
Guaranteed by the optimization of the Size, Weight, Power & Cost

EASY TO EXPORT
Guaranteed by European technologies