

C I E L O

PRECISELY ON YOUR TARGET



SKYLINE INS FAMILY

HIGH ACCURACY AIR NAVIGATION SYSTEM



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The Skyline Family of Air Inertial Navigation Systems (INS) employs the latest closed-loop Fiber Optic Gyro (FOG) technology, providing fast, high precision, autonomous navigation.

SPECIFICATIONS

- State-of-the-art pure inertial solution based on the IMU-XP family.
- Cost effective solution for air platforms in the GPS-denied battlefield.
- Operate with following modes:
 - ▶ Gyrocompass Alignment Mode
 - ▶ Stored Heading Alignment Mode
 - ▶ In-Flight Alignment Mode
 - ▶ Navigation Mode
 - ▶ Attitude Mode
- Maintenance-free, robust, light weight, compact airborne inertial navigation solution.



PARAMETER		SKYLINE 5	SKYLINE 10	SKYLINE 100
PERFORMANCE	Heading (RMS)	1.5°	0.15°	0.05°
	Roll/Pitch (RMS)	0.5°	0.05°	0.03°
	Position	N/A	2 nm/hr	0.8 nm/hr
	Alignment time	15 min	10 min	5 min
	Aiding source	Air speed, Magnetometer, etc.		
INTERFACE		RS422/RS232		
		ARINC429		
		Ethernet		
	Power requirements	28 VDC (18-36 VDC) <15W		
ENVIRONMENTAL	Operating temperature	-40 to +71°C		
	Environmental standards	MIL-STD-180, MIL-STD-461		

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