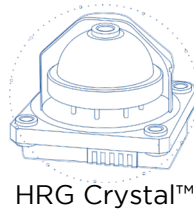


NAVKITE

POSITION, NAVIGATION
& TIMING (PNT) SOLUTION



- Available in SP, HP and XP Performance
- Fully integrated and autonomous navigation solution

NAVKITE is the latest resilient Positioning, Navigation and Timing (PNT) solution for military forces, especially in GNSS-denied environments. It ensures spoofing or jamming detection capabilities as well as autonomous timing and positioning capabilities.

Based on the combination of an inertial navigation unit (GEONYX™ M) with a resilient time and frequency source (VersaSync), NAVKITE provides accurate Position, Navigation and Timing (PNT) data and guarantees a secure and precise location.

Positioning, Navigation and Timing (PNT) data must be continuous, accurate and reliable even under harsh conditions and/or environments.

Operating in GNSS denied environment
GNSS data integrity guaranteed
Easy system integration



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.

Optimized architecture

- Size (W x D x H): 538 x 415 x 300 mm
- Weight: 29 kg (Pb)
- Protection: IP67
- Shock: 30g 18 ms half-sine in all 3 axes
- Immune to magnetic stress & high vibrations/shocks
- Gyro technology: HRG Crystal™

Built in option

- Geonix in SP, HP, and XP performance
- OCXO High Performance

Flexible Interfaces

- Embedded GNSS receiver
- RS422
- NMEA-2000
- Ethernet

GNSS support

- GPS
- GLONASS

European in-house technology

Subject to French export control authorization
ITAR Free



IDM Monitoring
Interference Detection & Mitigation
(Jamming & Spoofing)

A PERFECT FIT FOR GNSS-DENIED ENVIRONMENTS

The VersaSync allows GNSS jamming/spoofing monitoring and disables Geonix™ M hybridization and its own internal oscillator in case of interferences detection.

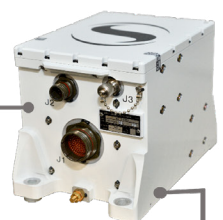
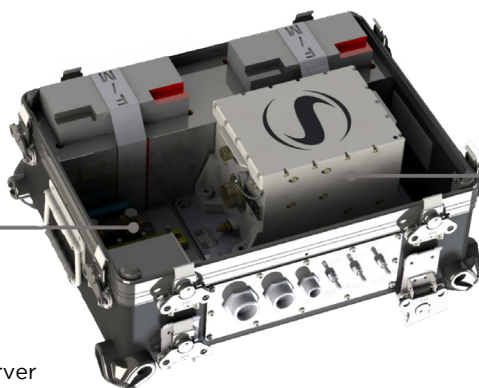
FRONT PANEL

Interface	Type of Data	Connector
Power in	Dc Power	Circular mil-type
Battery Charger	Power for charging battery (external battery charger)	Circular mil-type
HMI	Ethernet, RS422, System configuration (VersaSync, Geonix-M) Status message Monitoring (VersaSync, Geonix-M and Battery)	Circular mil-type
Gbe	NTP, PTP, Navigation messages Monitoring	Circular mil-type



VersaSync

- **PNT Resilience**
GNSS Spoofing/Jamming Detection
- **Flexible**
GNSS Master Clock and NTP/PTP Time Server
- **Internal Timing Oscillators**
OCXO
- **Compact and Ruggedized**
Low SWaP, Tested to MIL-STD-810G CH1



Geonix™ M

- **Operational Efficiency**
High Precision Navigation & Pointing
- **PNT Resilience**
Autonomous Alignment without GNSS
- **Robustness and Reliability**
Optimized SWaP – MIL-STD-810

safran-navigation-timing.com

