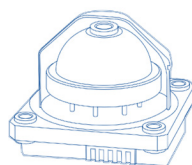


NAVKITE

POSITION, NAVIGATION
& TIMING (PNT) SOLUTION



HRG Crystal™



- 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.

Technical Specifications

Optimized architecture

- Size (W x D x H): 538 x 415 x 300 mm
- Weight: 29 kg (including batteries)
- Protection: IP67
- Shock: 20 g, 11 ms following MIL-STD 810G standard, method 516.7 Procedure 1
- System autonomy: 12 hours on batteries
- Gyro technology: HRG Crystal™

Built in option

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

Flexible Interfaces

- Embedded GNSS receiver
- RS422
- Ethernet

GNSS support (Navigation)

- GPS
- GLONASS

European in-house technology

Subject to French export control authorization
ITAR Free

**A PERFECT FIT FOR
GNSS-DENIED ENVIRONMENTS**

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

FRONT PANEL

Interface	Type of Data
Switches	1 power switch DC 1 power switch Geonyx-M 1 power switch VersaSync
Battery Charger	Power for charging battery
I/O	RS422, Navigation message, External GNSS receiver, Loch
Network	System configuration (VersaSync, Geonyx-M) Status message Monitoring



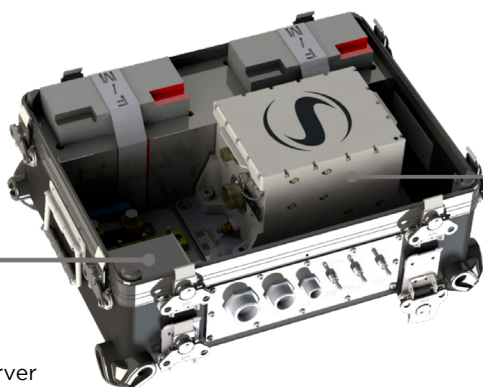
IDM Monitoring

Interference Detection & Mitigation
(Jamming & Spoofing)



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



Geonyx™ 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



October 26, 2023