Quantum Software

Visualisation software allowing monitoring and configuration of Hexagon | Veripos precise positioning solutions for marine users.

Position status monitoring

A key feature of the Quantum visualisation software is the status monitoring of the Veripos GNSS precise positioning solutions. This allows the operator to check the system performance and computed solution quality to ensure that everything is within specification. Diagnostic features alongside GRIT technology are available to provide easy identification of any problems and assist the user in identifying possible solutions.

Remote receiver management

Remote operation of the connected Veripos receiver allows users to manage the configuration of the receiver directly from the Quantum software, meaning they do not need to leave their workstation.

Easy to use

Designed to provide positioning information in a simple and clear format to enable operators to quickly assess the system performance and help make informed decisions if problems occur. Integrating essential views for GNSS, L-band and calculations as well as traffic light indicators showing positioning status makes Quantum easy to use and operate.

Independent operation

Quantum visualisation software operates independently from the positioning calculation. This allows the operator to interact with the Quantum application without impacting the operational position computation, which may be feeding critical survey or vessel systems.

GRIT

GNSS Resilience and Integrity Technology (GRIT) provides situational awareness to detect, identify and characterize RF jamming and interference. The user can apply digital filters to remove interference to protect GNSS measurement quality.

Default Quantum layout

Benefits

- Compatible with LD8 and LD900 GNSS receivers from Veripos

- Supports centimetre-level multi-constellation positioning with Veripos Apex and Ultra PPP correction services

- GRIT enables improved situational awareness and mitigation of interference

- Support SPAN GNSS+INS positioning

- Simple to configure and use

- Designed for marine operations such as dynamic positioning, seismic exploration, offshore construction, survey and autonomous marine applications

Features

- Status monitoring of Veripos precise position solutions

- Remote receiver management of LD8 and LD900 receivers

- GNSS RF interference and spoofing detection and mitigation

- SPAN GNSS+INS configuration and visualisation

- Veripos Tides calculation

- OGP 373-19 and IMCA S015 (July 2011) QC compliant

- Day/Night Mode

Technical specifications

Supported Veripos receivers
LD8
LD900

Supported IMUs
IMU-ISA-100C
IMU-µIMU-IC

Supported Quantum data outputs
Trinav V3 and V4 formats
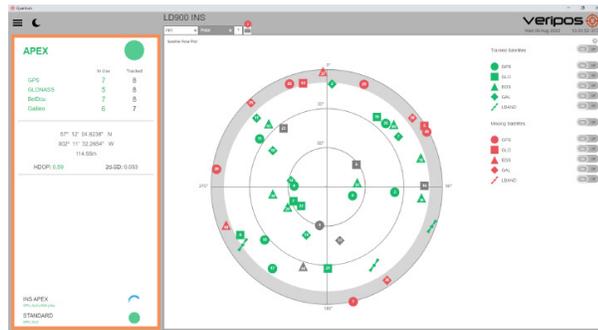Veripos Proprietary Tide Output
UKOOA (IM CA/IOGP) format

Quantum views
Corrections
GNSS
Solution
GRIT
Heading
INS (SPAN)
Tides
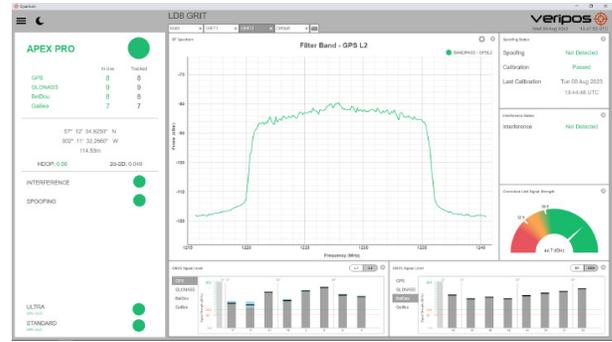System Status

Minimum PC requirements

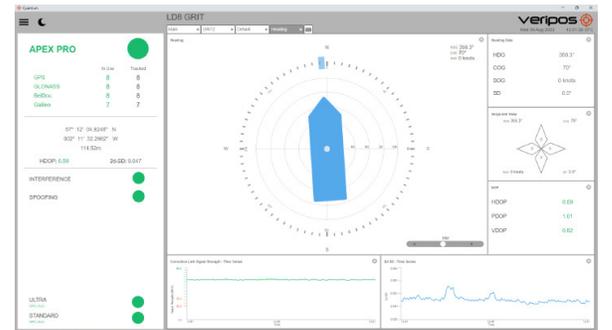|	
Processor	i5 (2nd gen or later) @ 3.2GHz
Memory	3 GB RAM
Hard Disk	250 GB
Ethernet	10/100 Mbps
Monitor	17" VGA (resolution 1280 x 1024)

Operating system requirements
Windows 10 (64 bit)

GRIT (GNSS interference and spoofing status) layout
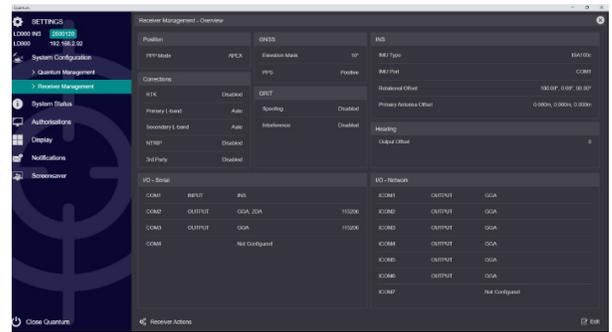
Receiver Management - Overview

Satellite Polar Plot view with INS aligning in Sidebar

Custom heading-based layout

Contact Hexagon | Veripos

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For the most recent details of this product visit veripos.com