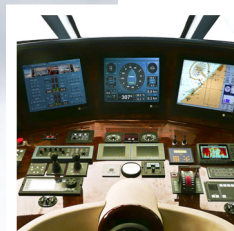


FT NavVision



The latest computer technology, state-of-the-art super yacht technology and human-computer usability principles applied in a multifunctional navigation and monitoring system for the leisure market: FT NavVision features it all.

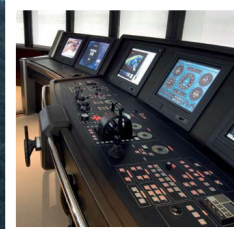


The FT NavVision system combines the most modern visualization techniques, bright TFT displays, the latest network technology and first class sensors into a complete multifunctional navigation and monitoring suite.

FT NavVision is designed with the human operator in mind, offering a logical overview of vessel management functions. This, together with physical integration of modern hardware components and equipment, makes the system a logical solution that is easy to use.

FT NavVision features:

- Multifunctional Navigation and Monitoring System
- Navigation, Radar, Chart Plotter, Alarm and Monitoring
- Scalable solution for both small boats and big yachts
- Solid State / Fanless Components
- Unique Graphical User Interface
- Remote Access Server for technical support



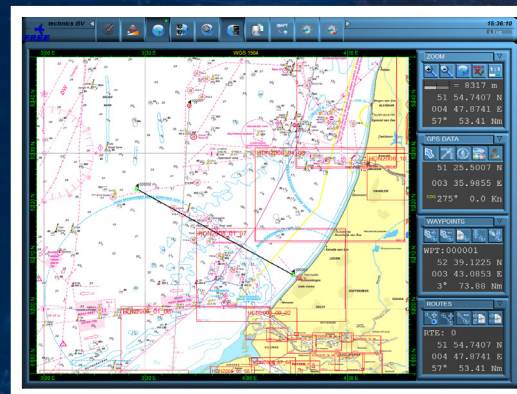
The multifunctional possibilities of the FT NavVision system provide me with full control of my boat. Boating has never been so easy and comfortable.

One of the many satisfied Free Technics customers

Free Technics is member of Imtech Marine. Imtech Marine is a leading company in the global marine market, operating as a full-service provider and system integrator of tailor-made, innovative technology solutions covering the whole ship. Imtech Marine specializes in automation (platform and bridge), navigation & communication including connectivity, energy and drive solutions, HVAC (heating, ventilation and air conditioning) solutions and fire protection technology, entertainment, lighting and maritime information services. Imtech Marine provides innovative systems and reliable services during the full lifetime of the ship.

F.A. Soonieus

F.A. Soonieus
general manager



Core Features

Architecture

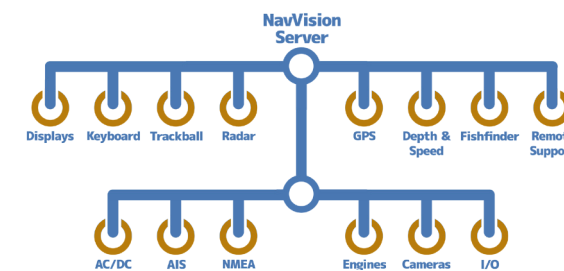
The FT NavVision system is built up with high-quality marine electronics, offering high performance and reliability. The processing unit is connected, via high-tech network technology, to sensors and onboard equipment such as engines, batteries and other components. A range of modern TFT displays is available for use with the system.

Scalable Configuration

The basic navigation system can be expanded with a number of separate optional functions. In this way the system can be configured to meet the requirements of the customer. Additional optional functions can be activated at a later stage. FT NavVision's rich feature-set and vast scalability allow the system to be installed on a wide variety of platforms, ranging from smaller fishing boats to vast dredgers & megayachts.

Solid State Hardware

The components that are used in the FT NavVision Leisure line are all Solid State and Fanless. The absence of any moving parts significantly increases the lifetime of the component. Reliability of the components is no issue anymore!



Embedded Software

The use of embedded OS software and the multi-threaded software architecture of FT NavVision guarantee an extremely reliable and stable application. A sophisticated license structure allows for tailoring exactly the required functionality.

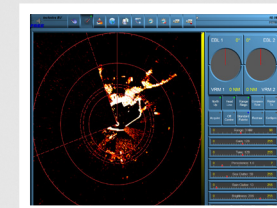
Graphic User Interface

The advanced Graphic User Interface provides the operator with the latest design in human-computer interaction techniques. For each function, a dedicated viewer is available. The viewers can be selected via the taskbar: a collection of buttons referring to the various viewers. Dedicated color-sets are available for day, dusk & night-time conditions.

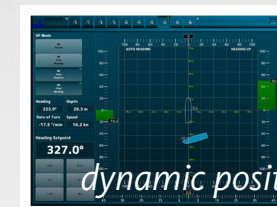
Navigation

The system provides the operator with a clear overview of the available navigation sensors. The included navigation sensors are a GPS, water depth/speed/temperature, wind speed/direction and air temperature/pressure. The Chart Plotter allows for planning a route, managing waypoints and XTE control for an autopilot.

Highlights



radar



dynamic positioning



engine monitoring



battery monitoring



camera's

Charts/AIS receiver

The FT NavVision Leisure system uses C-MAP charts by Jeppesen. The C-MAP charts contain high-definition aerial photos that enhance situational awareness when entering unfamiliar inlets or harbours. Equipping the system with an AIS receiver will clearly show AIS targets on the chart.

Radar

Equipping the system with radar gives substantial improvement of the situational awareness of the Navigator. It gives an clear overview of your position in relation to other vessels, buoys, coastline and non-AIS-transmitting targets. Radar will enhance the safety for both boat and crew members.

Dynamic Positioning

The DP system combines the unprecedented graphical capabilities of FT NavVision with the field-proven control algorithms of the Imtech world-wide applied DP systems. The system allows positioning of your vessel with an accuracy of up to 0.01 m./°. Positioning is a snap by simply dragging & dropping the vessel on your screen.

Engine Monitoring

The system is equipped with a J1939/NMEA 2000 serial interface for monitoring of the engines. The engine data is displayed in a clear and unambiguous way. Alarm conditions are clearly notified by the system.

Battery Monitoring

The status of the batteries and the chargers are of vital importance for each boat. Several standard interfaces with battery monitoring systems are available, such as the Victron Quatro, Victron BMV and the Mastervolt Masterbus.

Cameras

The camera server enables up to 4 onboard cameras for display on screen. The camera images can be shown in various configurations. The use of onboard cameras improves the safety and security of the boat and her crew members.

Remote Access Server

The Remote Access Server allows for remote maintenance and fault finding via a GSM/GPRS connection. Software upgrades can be installed without the need for an engineer to visit the boat. This results in a lower Total Cost of Ownership.

FT NAVVISION

Modular navigation, alarm & monitoring system
for easy cruising or heavy performance



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