

FURUNO

V **VOYAGER**
FURUNO BRIDGE SYSTEM



FURUNO VOYAGER, next-generation bridge system, has been designed using our decades of expertise in sensor devices, network integration and software development. FURUNO VOYAGER bridge system offers multifunction workstations with seamless display of Radar/Chart Radar, ECDIS, Conning and Alert Management System data. FURUNO VOYAGER bridge systems have been developed with a completely new and intuitive user interface and in strict accordance with the most up-to-date safety and navigation standards in mind.

FURUNO VOYAGER, the next-generation bridge system

Total network sensor integration delivers enhanced situational awareness to the mariner. An uncomplicated display presentation simplifies and streamlines navigational tasks. Common responsibilities such as route planning, navigation status monitoring, log-keeping, alarm awareness and day-to-day chart management are made easy through common workstation layout and redundancy of display and control. Watchstanders will enjoy reduced workload and significant freedom to move about the bridge, with all necessary information available in a variety of displays and locations.



VOYAGER
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Multifunction display (MFD) capability

FURUNO Voyager offers workstations that combine flexibility and redundancy. Users may easily select ECDIS, Chart Radar, Conning display or Alert Management System at any multi-function display. Navigators will enjoy reduced workload and significant freedom to move about the bridge, with all necessary information available in a variety of displays and locations.



Operator-preset conning display orientation can be summoned upon clicking on the dedicated buttons on the status bar.

Conning display

In the Conning display mode, sensor information and real-time navigation data are presented to navigators in a thoughtfully designed display presentation.

Information to be shown in the conning display:

- Heading
- Pitch and Roll
- Rudder angles
- Rate of Turn
- Position fix
- Speed (bow speed, longitudinal speed and stern speed)
- Propeller pitch
- Wind speed and direction (both true and relative)
- Thrusters pitch
- Alert list
- BNWAS indication
- Date and time, etc.



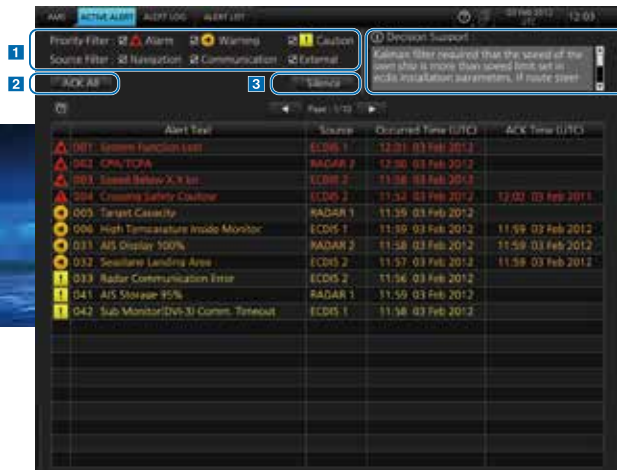
Alert Management System

Alert Management System presents and prioritizes alert status and information.

The well designed display layout gives operators the ability to quickly identify alert situations, and the actions required to rectify the cause of the alert.


The Alert management System complies with MSC.302(87) Performance Standards for Bridge Alert Management.

ACTIVE ALERT

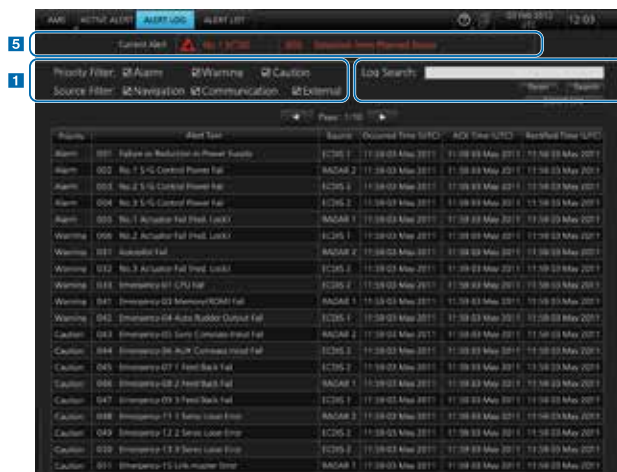


List of alerts currently active can be viewed.



By clicking on the  in the ACTIVE ALERT page, the list of icons used in the Alert Management System and their descriptions can be shown as a pop-up window.

ALERT LOG



Alert history can be viewed in chronological order. The source of alerts, and the date and time each alert was raised, acknowledged and rectified are shown.

ALERT LIST



List of alerts available for each alert source can be viewed.

- Listed alerts can be filtered by priority levels and alert sources.
- All the alerts listed on the displays can be acknowledged by clicking on "ACK All".
- All the audible alerts can be silenced by clicking on "Silence".
- The nature of the alert situation selected as well as remedy to rectify the alert situation is presented in the "Decision Support" area.
- The latest active alert is displayed in the ALERT LIST and ALERT LOG pages.
- Keyword search function is available in the ALERT LOG page, and the alert log can be exported to external use.



Communications
Satellite



SafeComNet™
FURUNO Mobile Satellite Services

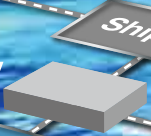
VSAT



FleetBroadband



Service gateway



Ship's LAN

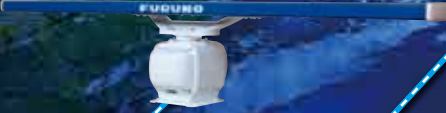
VDR



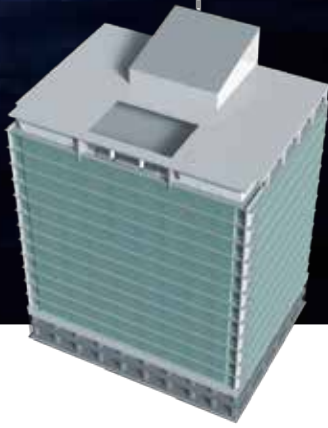
Network for integration and interswitch



S-band radar antenna



Office



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- ① Multifunction displays operating as X-/S-band radar, ECDIS, Conning Information Display and Alert Management System
- ② Multifunction display for Route planning workstation
- ③ Multifunction display for Wing workstation (port side)
- ④ Multifunction display for Wing workstation (Starboard side)



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