



Electronic Chart Display and Information System

Auxiliary Navigation

Navigation Administration

Object Collision-Avoidance Alarms

Easy Operation with Simple Interfaces

Support for Multiple Charts, Strong
Compatibility

Omnidirectional Navigation Information
Record and Inquiry

QINGDAO · CHINA



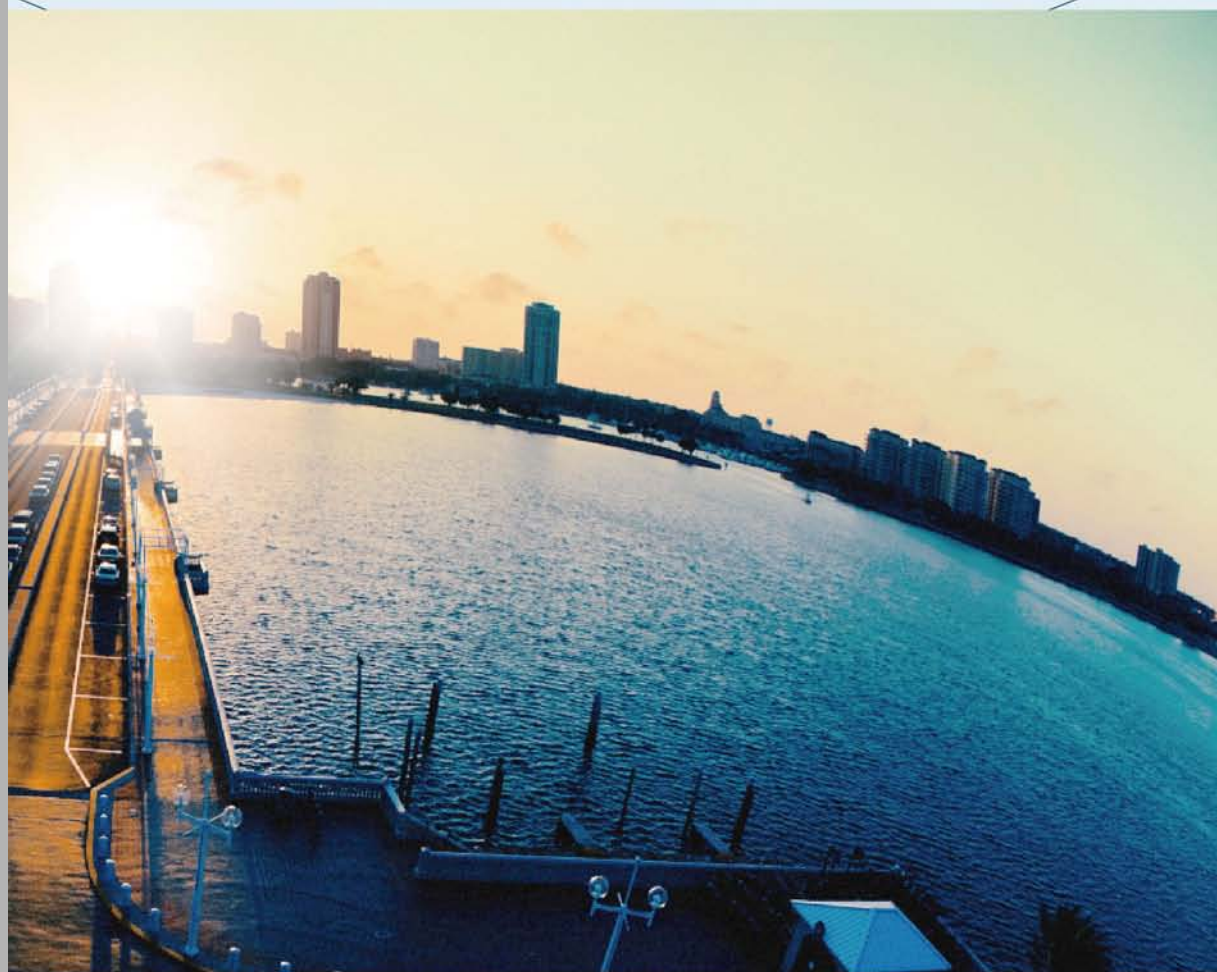
Introduction

Headway[®]ECDIS is able to combine with AIS, GPS, ARPA, Gyro Compass, Speed Log, Echo Sounder, Autopilot and other communication and navigation equipments, so as to deal with varieties of information, including maritime geography, sailing states of this vessel, navigation environment and dynamics of a number of target vessels. It can realize functions of navigation, collision-avoidance assistance and route management of vessels, and can be widely used in a variety of large and medium sized vessels, which greatly ensures the safety of vessel's voyage, and markedly improves operational efficiencies.



Headway

**Professional Manufacturer of
High-Tech Marine Equipment**



Electronic Chart Display and Information System



Standards

IMO Resolution A.694(17)

IMO-Resolution A.817(19)

IHO S-52 /S-57 /S-63

SOLAS Regulation V/18.1, V/19.2.1.4, V/19.2.1.5

IEC 61174 (2008)

IEC 60945 (2002)

IEC 62288 (2008)

IEC 61162





CCS Type Approval



EC Certificate

Unique Features of Headway®ECDIS

1、Chart Support

Compatible with C-MAP Chart and charts of S57/S63 standard, and the display is in accordance with IHO S-52 requirements.

2、Multiple Functions

Auxiliary Navigation

Varieties of information can be received by navigation sensors of Headway®ECDIS continuously in real time, including information from Speed Log, Compass, GPS and other sensors, meanwhile with the integration processing to achieve the best position, track, heading and speed. Auxiliary navigation can be realized according to the established routes and variously positioning calculation, acoustic and light alarms can be generated timely for dangerous states; meanwhile, real-time searching of various information of the current vessel and its surroundings could be performed. During the voyage, ship's position from GPS or DGPS can be automatically displayed on the chart, and the track would be shown continuously, so as to compare with the planned routing.

Object Collision-Avoidance Alarms

Headway®ECDIS can combine AIS and APRA to achieve Collision-Avoidance Assistance. It can clearly show the relationship between the current states and planned routing, and automatically calculate the deviation from the planned routing, while necessary, it will give instructions and alarms. Besides, Headway®ECDIS can automatically detect the navigation hazard area, reef, restricted navigation areas and shoal to achieve collision-avoidance and prevent stranded.

Navigation Administration

Headway®ECDIS can realize the function of route planning and management, and automatic recording of Log. It can obtain detailed description information of the object-marks on the chart as well as the entire route navigational conditions, including tides, currents, weather, etc. Headway®ECDIS can also check local tidal data and calculate the tidal data of destination. In addition to the selected route, there is also an alternate route.

Chart Information Inquiry

Headway®ECDIS can check any position of Chart, including sea-route, water-depth, ocean-current, object-mark, etc.

Chart Quick Zoom

Headway®ECDIS can realize quick zoom function. The thumbnail window display, latitude and longitude grid display control, and current chart state save functions make sure the convenient and flexible zoom display.

Chart Update

Headway®ECDIS is able to manually add the temporary object-mark and realize automatic or manual chart updates remotely or locally. Update of the Chart is simple and accurate, greatly reducing the workload and error probability from the crew. Headway®ECDIS is able to accept the official corrected data, as well as the corrected data extracted from the paper chart notice or radio navigational warnings by the crew, realizing the automatic, semi-automatic and manual functions of chart updating.

Multiple Display Modes

Different display modes could be selected as per demands, e.g. dusk, night, daytime.

Perfect Accidental Power-Off Protection

Headway®ECDIS can prevent losses caused by accidental power-off with the standby power reserve system.

3、 Easy Operation with simple interfaces.



The background of the page features several thin, dark blue wavy lines that sweep across the middle section, creating a sense of motion and technology.

HEADWAY

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