FRONTIER OF MARINE ELECTRONICS

6 SAMYUNG



TOTAL CONTROL ON YOUR VOYAGE

Electronic Chart Display & Information System

SCD-2000(19") / SCD-2000(23") / SCD-2300(23")

& Console Type

- 19"/ 23" Color LCD Display (Desk & Console Type)
- Route planning/ Route control
- Route monitoring/ Heading monitoring
- Automatic alarm system
- AIS and ARPA target(Chart overlay)
- Radar overlay(Option)



Electronic Chart Display & Information System

ECDIS MANDATORY PERFORMANCES



ROUTE PLANNING

The ECDIS plans and sets a sailing route on the seperate window for the vessel routing and checks in advance possible problems in the planned route through a route test. Also the ECDIS provides the Great Circle route for a long distance voyage.



VOYAGE RECORDING

The ECDIS employs the tracks on AIS, ARPA targets and which own vessel passed by previously under the given conditions. Also the tracks are shown on the screen or saved as a form of external file.



ROUTE MONITORING

The ECDIS applys a planned route on the chart area to monitor the voyage. Also it provides necessary information for voyage and the alarm operates automatically in case of the vessel is out of route.



HEADING MONITORING

The ECDIS creates a monitoring area as large as the angle set up in the direction where the vessel advances foward. Also the alarm on when a particular object comes up within a surveillance area.



ecdis

AIS TARGET / ARPA TARGET

The ECDIS sets up hazardous targets using CPA/TCPA data. If it is recognized as a hazardous target, the target symbol alters the color to red and alarm warns.

AIS TARGET

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	101.0" = H10'Smin
	101.6" *** 1.764
	10.77 51.78
	0.078NM 197YD
	1.345KM 2690YD
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AIS target is marked as triangle and if the target is active, the ECDIS provides various information of the target such as MMSI, name, location, bearing, velocity, distance from the vessel and CPA/TCPA. If AIS target is active, the mark of its heading line appears.

Also if the AIS target has the information of its course and velocity, it is shown as a velocity vector.

ARPA TARGET

02[ARPA_02]		
120.2" W	4.4kn	Hun 9
83.4°T	333.4"R	
0.906NM	1812YD	10
0.350NM	700YD	
0% 48.8min		
	02[ARPA 32'32 075'5 / 0 120.2° '''' 83.4*T 0.906NM 0.350NM	02[ARPA_02] 32'32 079'5 / 060'59 410T 120.2° 5° 4 4.4kn 83.4°T 333.4°R 0.906NM 1812YD 0.350NM 700YD 48.8min

ARPA target is marked as a black circle with a velocity vector and if the target is active, the ECDIS provides information on the target number, location, bearing, velocity, distance from the vessel and CPA/ TCPA.

ALARM

In case of hazardous situation, alarm warns immediately with information on each case. If the situation cleared, it is deleted from the list automatically.

ALARM LIST 🛛 🌖					
		ALLACE	ALARMACK		
PERCENTION FRANCO					

Alarm warns when a particular object found within the monitoring area in which the vessel forwards.

CREATE YOUR OWN MAP BY ONE CLICK

[DRAW TOOL] offers a notebook to the user to record in ECDIS. You can create and save the objects such as mark, line, polygon,circle,sector,arc, etc., regardless of the chart data.



SPECIAL FEATURE /



The ECDIS utilises Fishing Zone on the Sea map of South Korea.

OPTIONAL FEATURE /



RSC(Radar Image) Radar images appear centering the vessel in the chart area by receiving radar image signals.

SAMYUNG'S TYPE SPECIFIC ECDIS TRAINING COURSE

ECDIS is far more than the image of a chart displayed on an electronic screen. ECDIS is a highly sophisticated system which, besides the navigational functions, includes components of a complex, computer-based information system. In total, the system includes hardware, operating system, ECDIS software, sensor input interfacing, electronic chart data, rules for presentation and display, status and parameters of alarms and indications, etc. All these items are accessed through an appropriate * # * * * * # human-machine interface. As such, care must be taken CERTIFICATE OF TYPE APPROVAL when navigating with ECDIS to avoid 영광연호·^팩 2015-155 호. Isoning No.: 2015-155 Certificate No.1 2018-047 -Incorrect operation Company .1 AMYUNG ENC Co., Lot. -Misinterpretation 유명 보 가 HWANG WON -Malfunction or, even worse, · 신청원 Applicated 5.4日水日本市 601-81-26356 -Over-reliance on this highly-automated navigation system gistration N 부산광역시 행도구 생리오 69 Address 09. Sanghi-ro: Yeerupdo-gia Itahu 상영이에서 (주) Company SAMYUNG ENC Co., LM. 추성물력식 영도구 달려로 69 相主中. Manufacturer Address -..... 69. Sangri-ro. Yaongdo-ga. Bun 원자해도표시시스템 (D위 영 Name of Articles sin Chari Ila 이야 요구· 이야 순을 안 0077 21 ier A Particular If Anticles (0)4 SCD-2300 Type B4 8 7 # Testing Laboratory 지방민준 지민 (제) 한국초선해양기가 재연구위 Rorea Mariae Equipment Reser 102-94 02-04 ruh Initions challing out Report D H Remarks G함비중형시원호 Certificate No. 1-11 8103-08-27 This contificate is iassed under Article 30.2 of the Enforcement Decrew of the Ship Safety Act and the provisions of SOLAS (COLREG, IMO Res., LSA Code) 2015 12 09 18 01 13 2015 V 09 M 01 D 부산지 평해 양수산 정 👀 Director Geteral of the BUSAN Regions **Greats & Fisheries Administration** SAMYUNG ENC provides Type Specific ECDIS training course The course includes - Safe operation of the ECDIS equipment - Use of the functions for route planing and monitoring - Selection, Display and interpretation of relevant information Ambiguities of data management

- Assessment of alarms and indications
- Errors of displayed data and their interpretation
- Real and potential limitations
- Over-reliance on ECDIS
- Knowledge of legal aspects and responsibilities related to electronic chart
- Awareness of the status of ECDIS and ECS
- Limitations of RCDS mode

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SCD-2000(19") SCD-2000(23") SCD-2300 (23")







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