

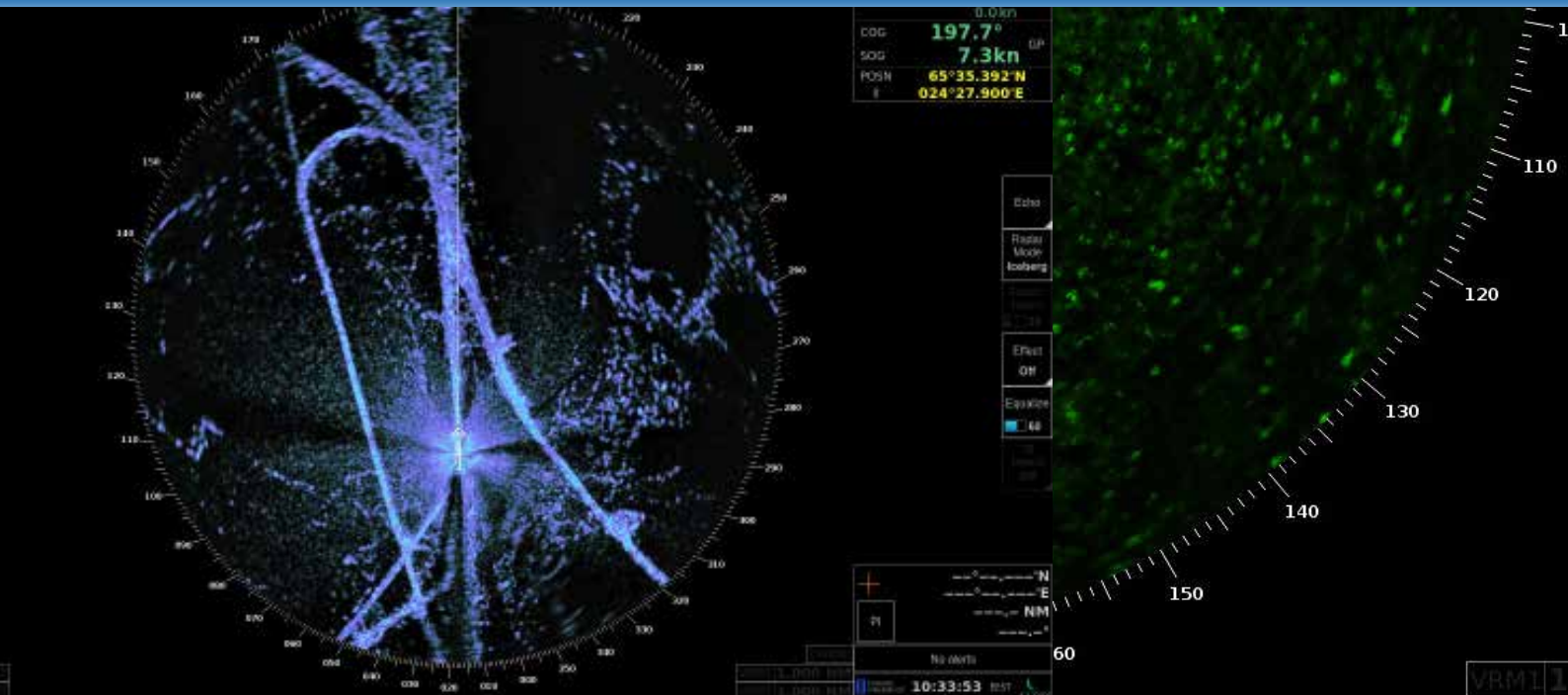
Iceradar FICE-100

Oilradar FOIL-200

Ice/Oilradar Combo FICE-100/FOIL-200



What's new



FURUNO FINLAND OY

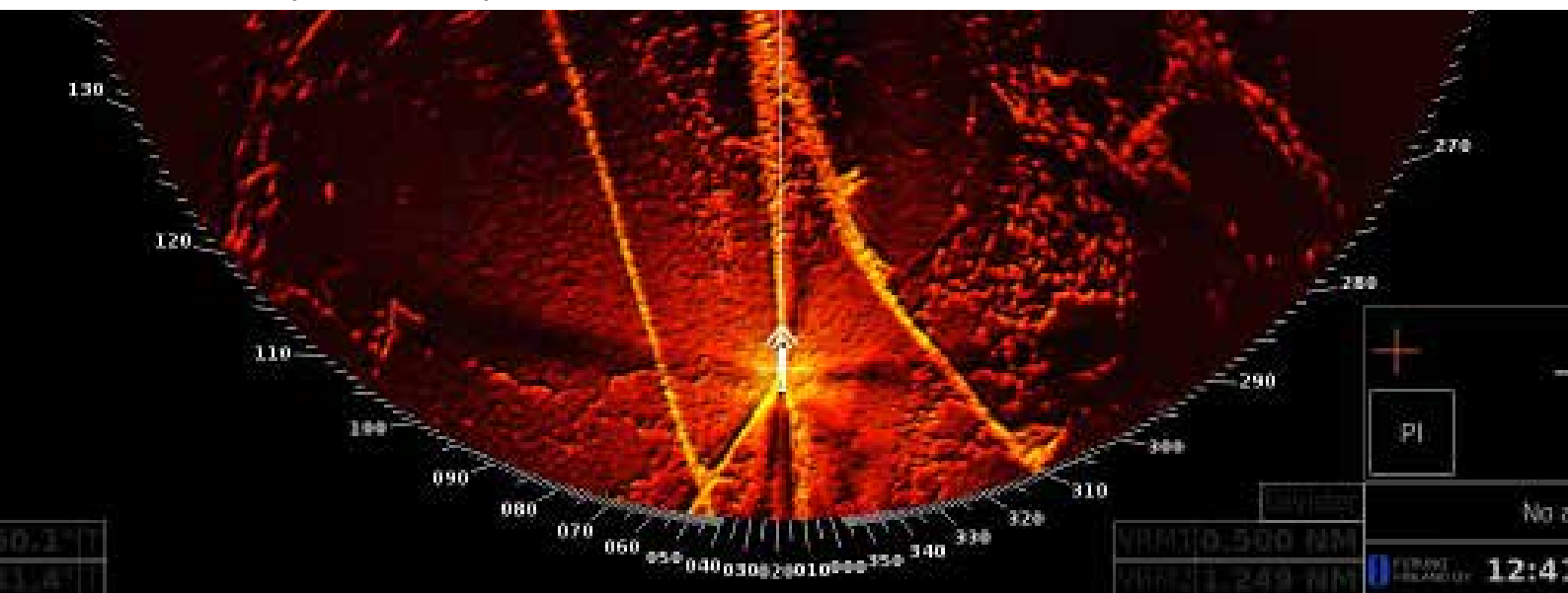
FICE-100 features for navigation in icy conditions

FICE-100 has many helpful features for mariners to see situational ice picture:

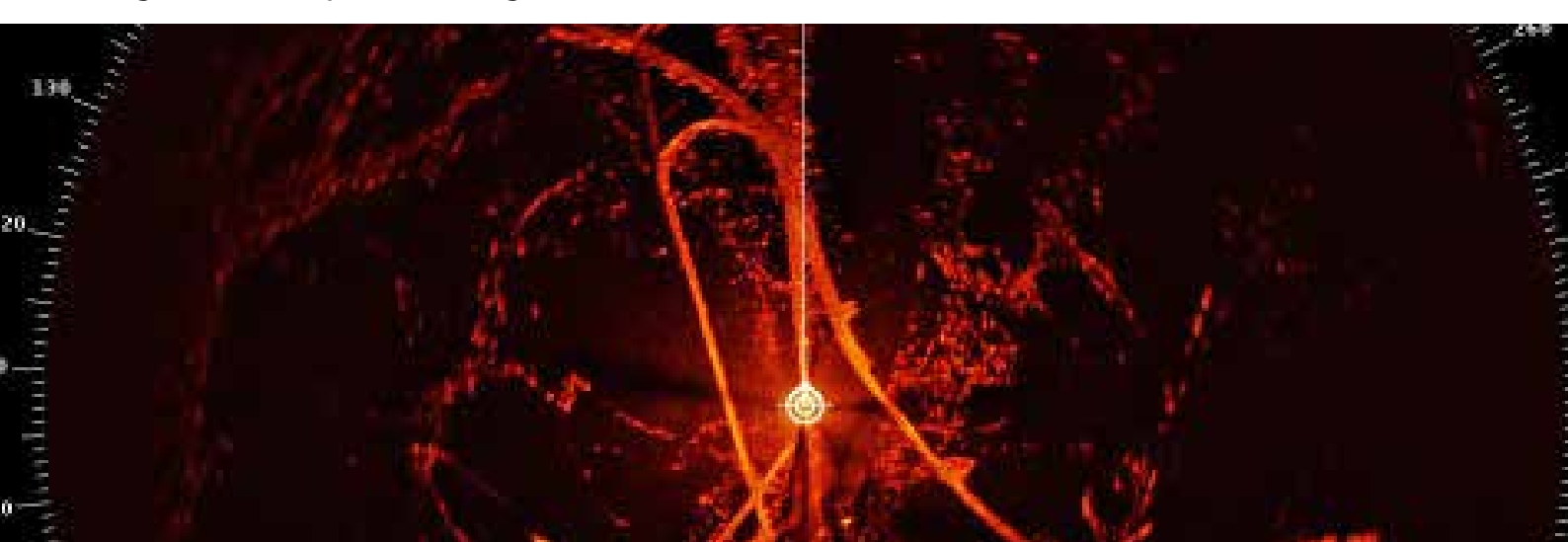
- 3D and Edge effects
- Equalizer
- Color palette

The conditions are different and changes all the time. These features are easy to select, adjust and operate in challenging environment to give more clear and visible picture to the user. The following screenshots are examples of real conditions.

3D effect emphasizes shapes and shadows:

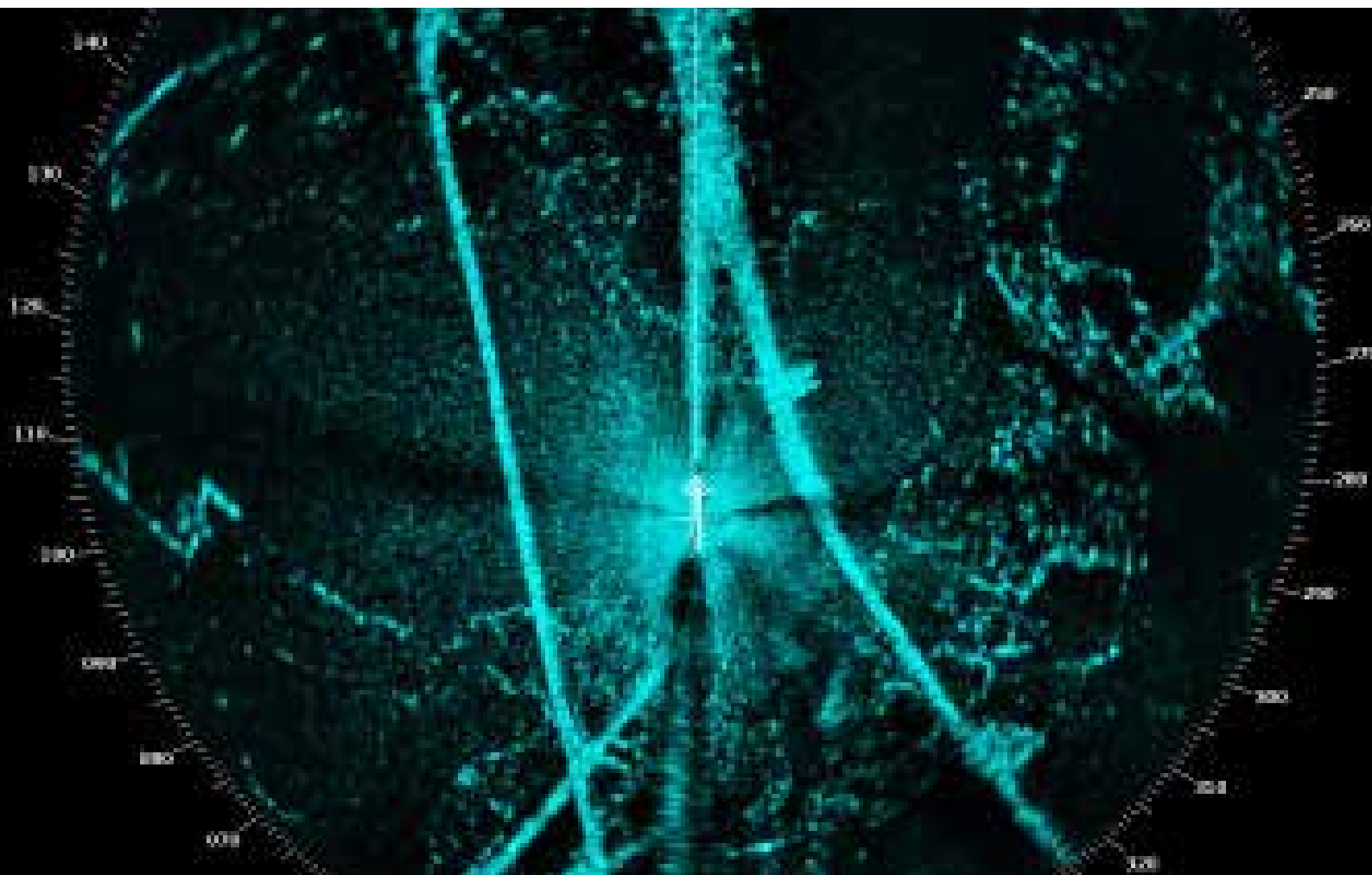


Edge effect emphasizes edges of rifts:

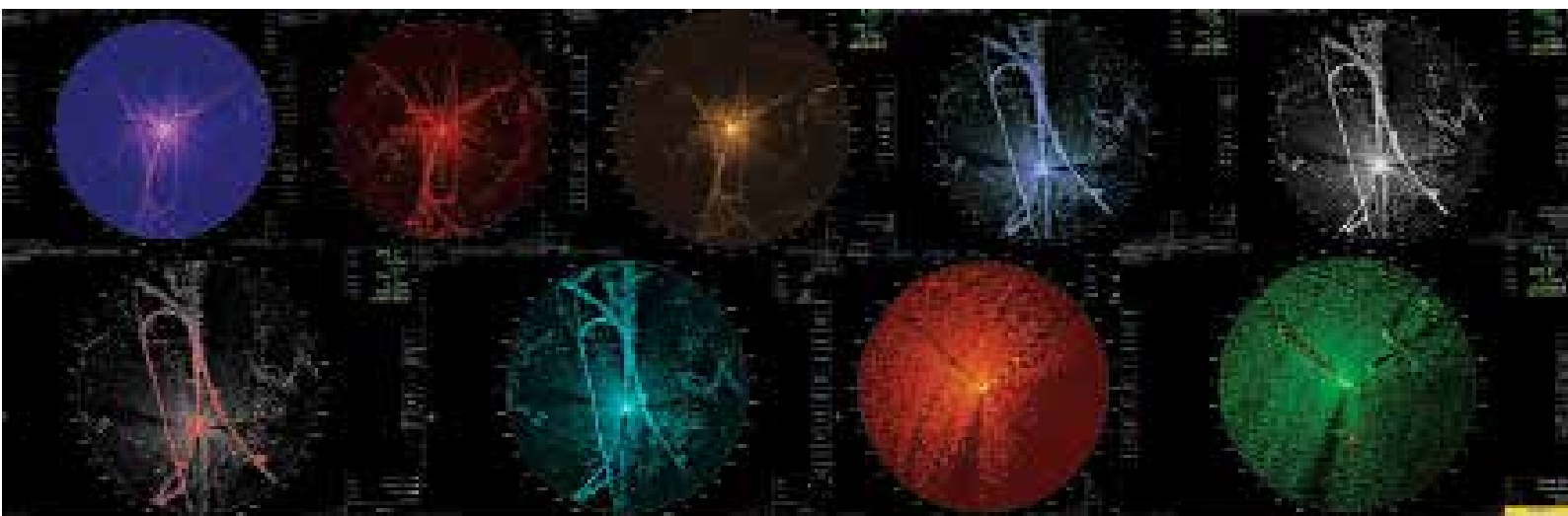


Iceradar FICE-100

Equalize feature visualizes ice radar picture with adjusted brightness ratio both on center and near edge of display:



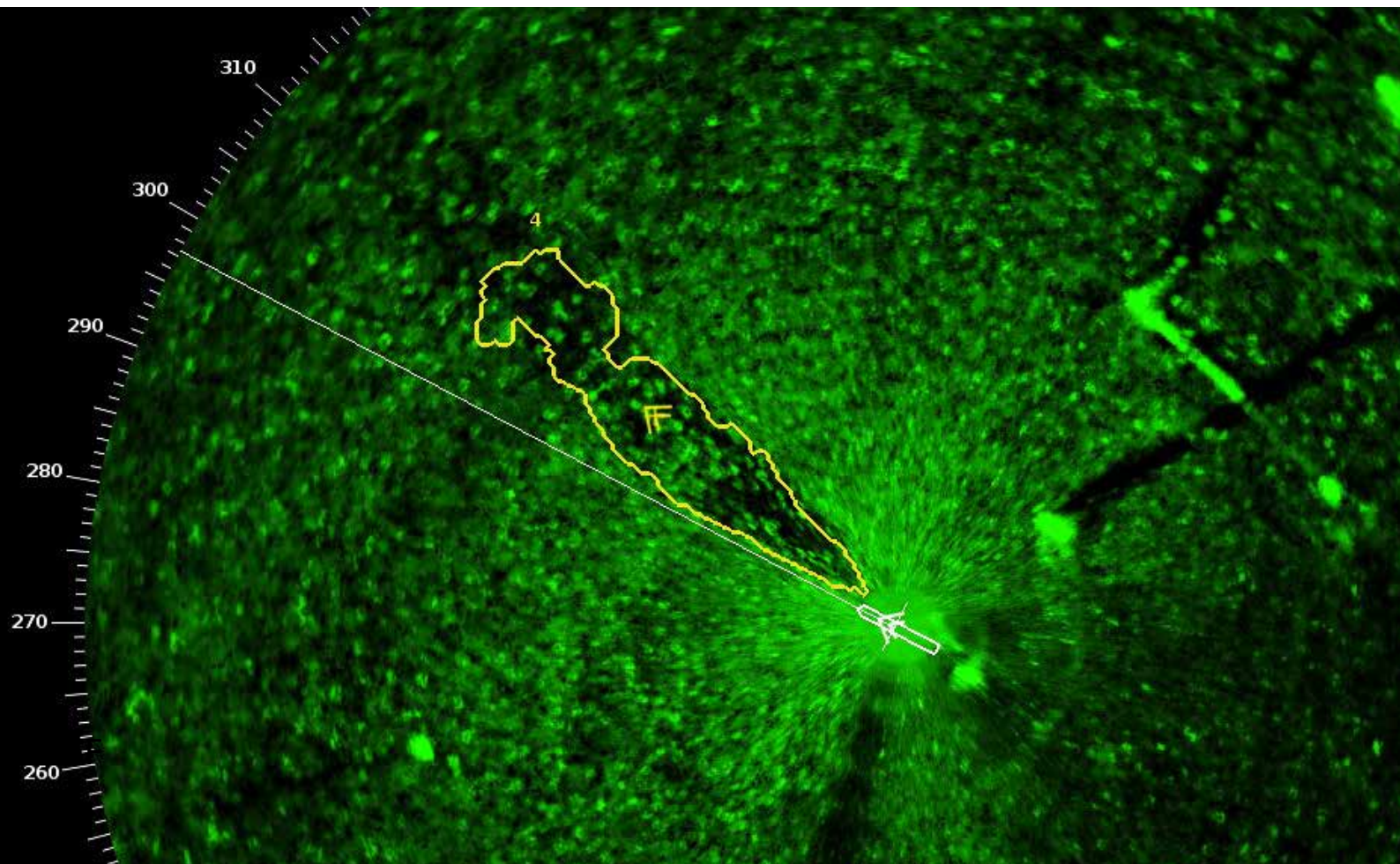
User can select predefined color palettes for ice layer. Each of them can be customized by user. Different color palettes are useful in changing environmental lightings:



Oil radar features

Oil spill movement:

- direction and speed with visual arrow and numeric values
- automatic recording of screenshots
- user adjustable recording interval of screenshots



OIL-200 oil radar has statement from Norwegian Clean Seas Association for Operating Companies - NOFO. Statement is regarding oil spill remote sensing systems suitable for NOFO mode of operation.

Ice/Oilradar Combo FICE-100/FOIL-200

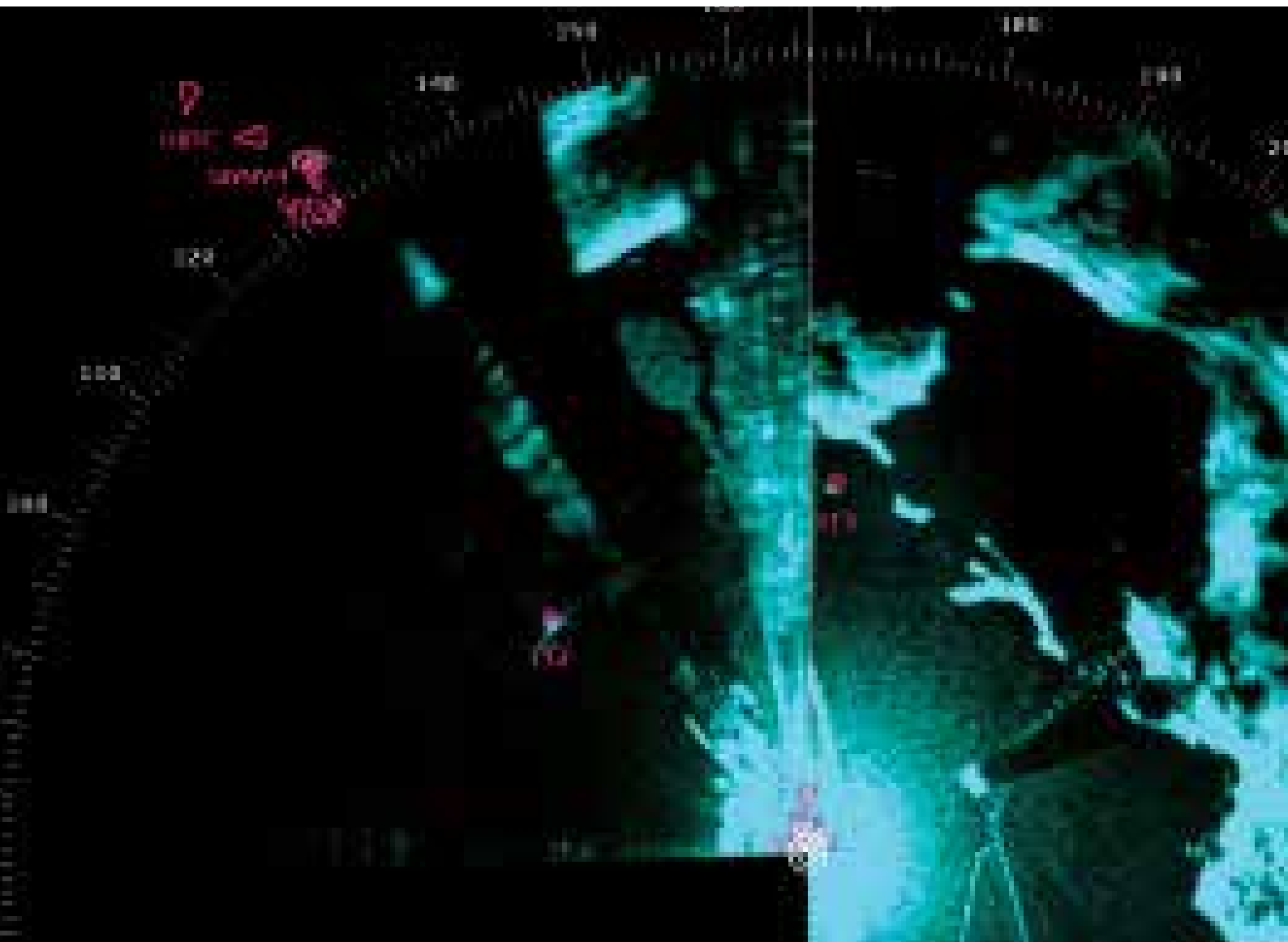
Combo is ice and oil radar in one hardware

Ice/oil radar combo is cost effective solution to get both softwares on board in one hardware. In combo user can select either ice or oil radar mode in operation at the time. In both modes all userfriendly functionalities are easily available.

Combo has the following common features which are also in individual softwares. FICE-100 ice radar and FOIL-200 oil radar can be used with Furuno FAR-15x8, FAR-2xx7, FAR-2xx8 and FAR-3000 IMO radars.

Target presentation: symbol and data

- AIS targets received from AIS transponder
- ARPA targets received from navigation radar



Ice/Oilradar Combo FICE-100/FOIL-200

Navigation tools

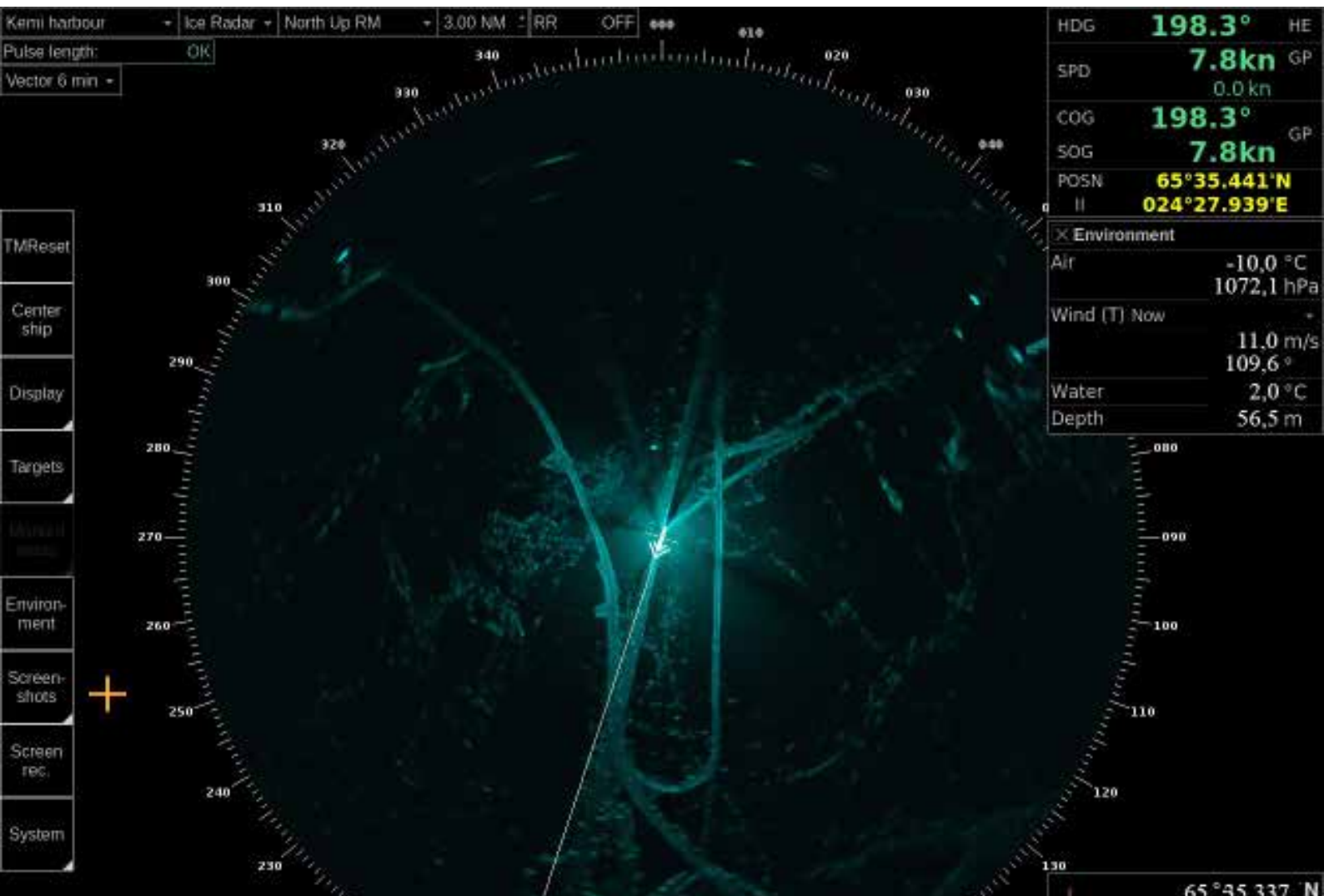
- Divider measures distance between two points
- Electronic bearing line (EBL)
- Variable range marker (VRM)
- Parallel index lines (PI)

Information from Weather Sensor

- Wind information
- Water temperature
- Air temperature
- Depth information

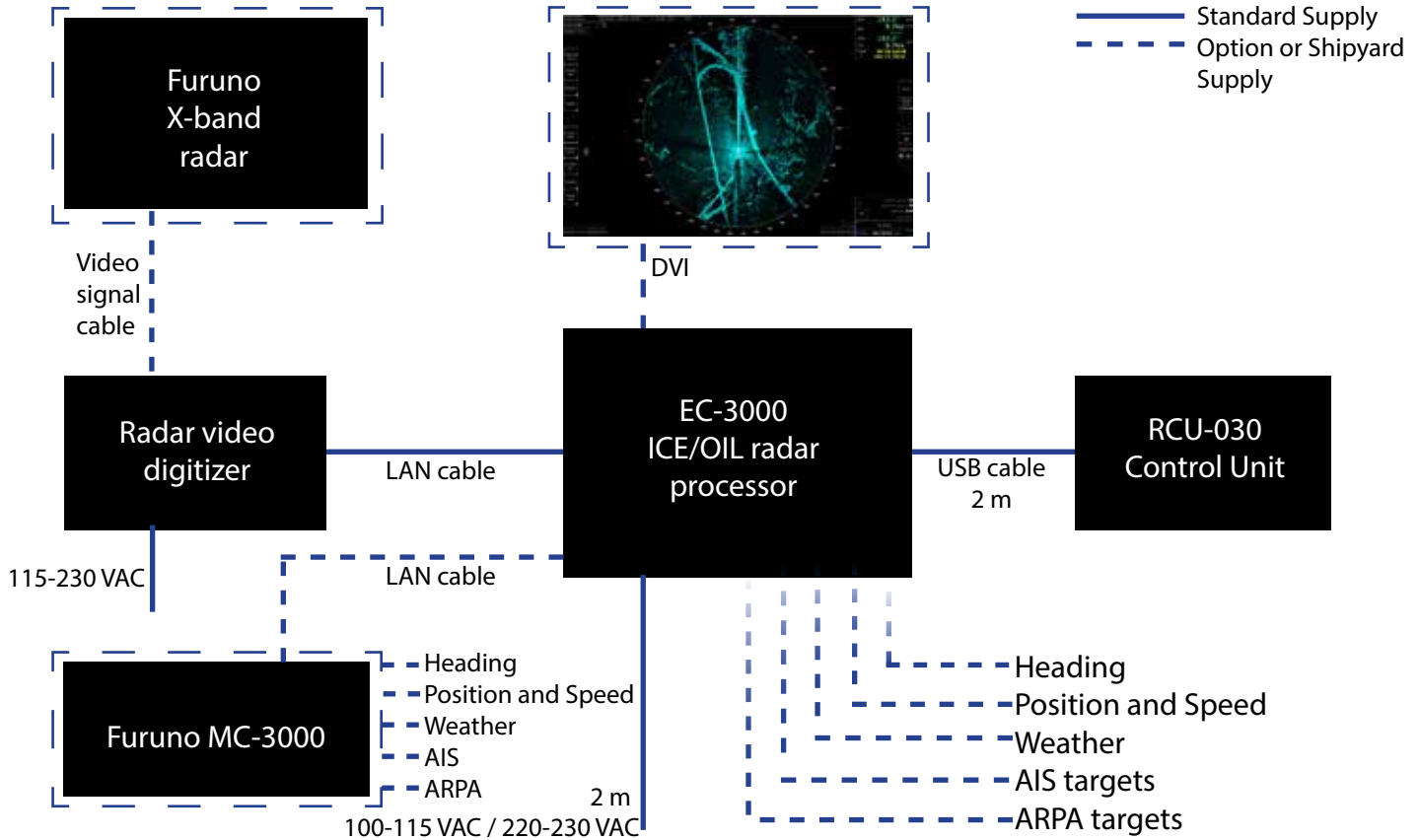
Screen recording function

- Predefined interval to take screenshots (.jpg files) which can be viewed on FICE-100 and FOIL-200. These can also be exported to USB memory storage.



Iceradar FICE-100 Oilradar FOIL-200 Combo

Interconnection diagram



SPECIFICATIONS		EQUIPMENT LIST	
General	Ice/Oil radar processor with display output DVI	Standard	1. Furuno EC-3000 Ice/Oil radar processor
	Processor power supply 115/230 VAC, 50/60 Hz (jumper)		2. Furuno RCU-030 with 2 m cable
	Trackball control unit		3. ScanStreamer DNP2016009-101 with 2.5 m power cable and 5 m LAN cable
	High resolution high bandwidth digitizer 14 bit, 60 MHz sample rate		4. Standard spare parts and installation materials
	Digitizer power supply 115-230 VAC, 50/60 Hz		
	Products have been tested according to IEC60945(2002).		
Input signals	Radar signals Furuno FAR-15x8, FAR-2xx7, FAR-2xx8 and FAR-3000 IMO radars	Option	1. Radar display with DVI cable (Specify display type when ordering)
	- radar video and trigger		2. 5/10/15/20/30/40/50 m Signal cable
	- azimuth and heading line signals		
	Heading, position, speed, weather, AIS targets and ARPA targets (IEC61162-1/2 or IEC61162-450)		

*) Minimum requirements for radar signals: Transceiver 12 kW, antenna radiator 4 ft, gear box 24 rpm.