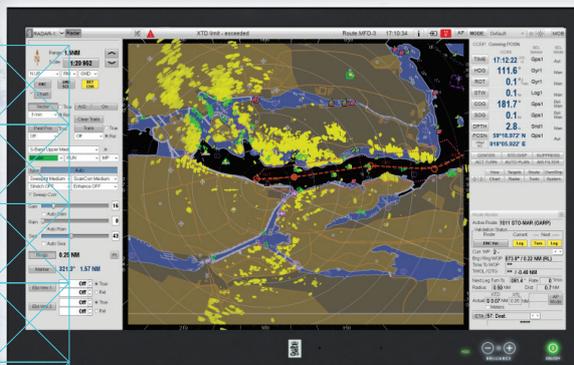


K-NAV RADAR



KONGSBERG

STAND-ALONE RADAR NAVIGATION SYSTEM

KEY POINTS

- Cost-efficient radar solution
- Easy installation
- Type approved 27" (or 24") Panel PC
- Optional chart underlay
- Manual / automatic clutter reduction
- Echo stretch
- Stern indicator
- Three colour palettes
- AIS targets
- Monitoring of sailing routes
- 11 range scales (0.125-96 NM)

K-Nav Radar is a stand-alone navigation information system that provides the operator with radar video and target tracking as well as position, heading and other data from the vessel's navigation sensors.

K-Nav Radar is designed to enable mariners to avoid collisions and generally to enhance their navigational awareness.

K-Nav Radar is easy to install. It connects directly to the ship's sensors and power, and - by two network adapters - to a digital radar interface.

The system has an attractive user interface with a high resolution colour display and ergonomically designed operator panel.

Features

- Square radar picture (27% larger radar coverage on the screen).
- Includes all radar functions required by IMO.
- Instant presentation of trails (afterglow).
- Trails maintained after reset of screen-center or change of range
- Manual and automatic target acquisition and tracking.
- Max. target speed of 100 knots, relative.
- EBL/VRM function, giving accurate range / bearing from own-ship.
- Instant response to gain and clutter controls (the entire radar picture is instantly transformed in response to a new gain or clutter setting by the operator).
- Integrates with existing navigation bridges from Kongsberg Maritime.
- Choice of 27" or 24" Panel PC available for built-in consoles (the 24" option meets class requirements for CAT 2 vessels).

Approvals

K-Nav Radar is MED certified by DNV GL (as radar equipment CAT 1C).

Technical details

Panel PC

Resolution: 1920 x 1080 (FHD)
 Colours: 16,7 million (maximum)
 Viewing angle: +/-89/89/89/89 degrees
 typical (up/down/left/right)
 Contrast ratio: 3000:1 (typical)
 Dimensions (27"): 650 x 437 x 74 mm
 Dimensions (24" built-in): 593 x 384 x 74 mm

Serial ports

Nine serial ports are available: 7 x input, 2 x input/output.

Three of the input ports are for:

- 1 x heading reference system
- 1 x speed log
- 1 x DGPS

The two I/O ports are for:

- 1 x BAM (Bridge Alarm Management) system
- 1 x NMEA serial output to VDR

Possible uses of the remaining serial input ports include:

- 1 x additional DGPS
- 1 x echo-sounder
- 1 x NAVTEX system
- 1 x radar
- 1 x AIS

Digital interface ports

Two digital interface ports are available for:
 1 x UPS alarm
 1 x BNWAS timer-reset signal

Ethernet ports

5 x 1GB Ethernet LAN ports.

VDR interface

VDR data is available over the LAN (IEC 61162-450) or using a combination of the display port (DP ++ 1.2 out) and the NMEA serial output port.

Electrical

Input voltage: 230 VAC ±10 %
 Frequency: 50/60 Hz ±5 %
 Power consumption: 198 W (typical)

KM console

Dimensions (W x H x D) : 654.0 x 1149.6 x 1013.2 mm
 Weight: Approx. 80 kg

Key measurements

