K-Bridge Radar Standalone
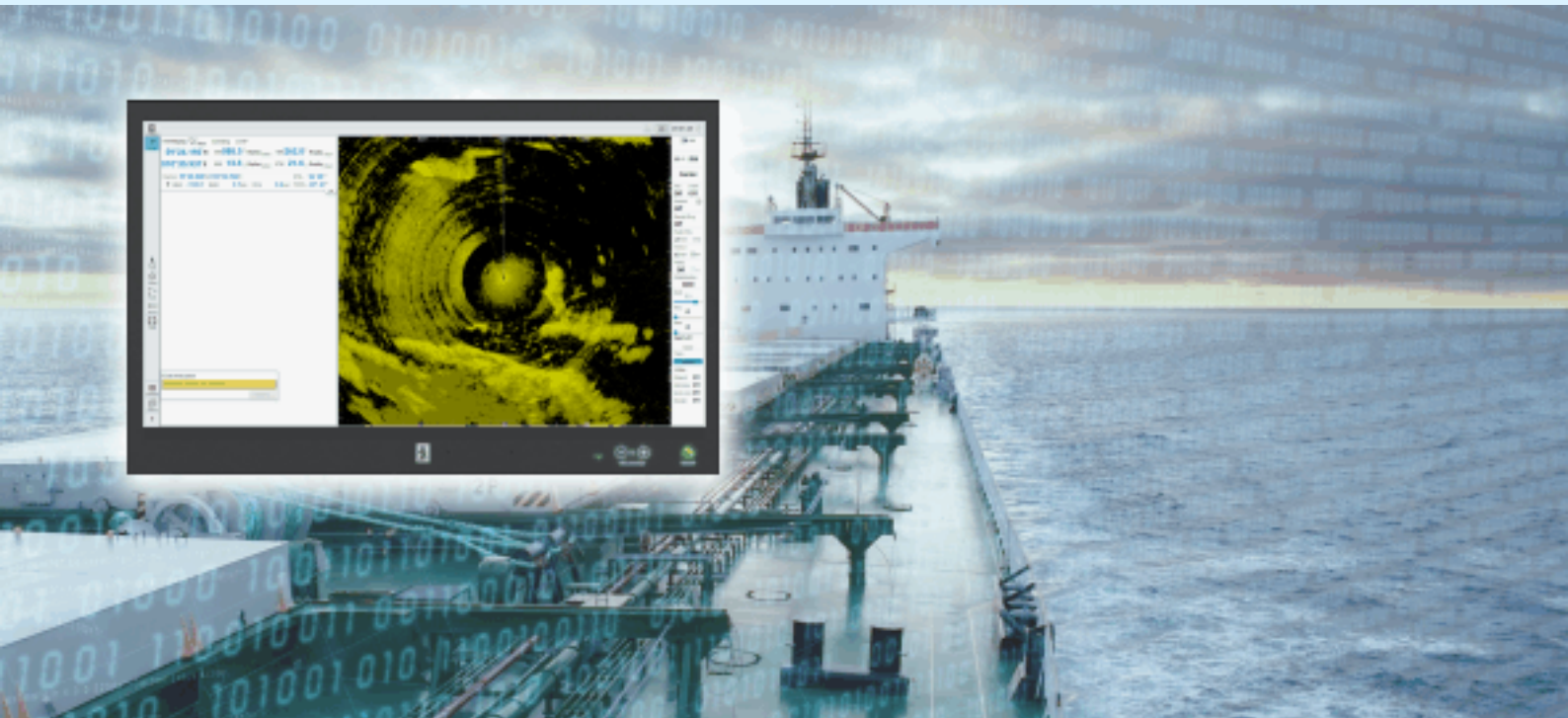

K-Bridge

Standalone radar navigation system

K-Bridge Radar Standalone is a self-contained 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.

It is designed to enable mariners to avoid collisions and generally to enhance their navigational awareness.

The system is easy to install, connecting directly to the ship's sensors and power, and (by two network adapters) to a digital radar interface.

Features

- High resolution colour display
- Attractive user interface
- Ergonimically designed operator panel

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

Technical details

Panel PC
Resolution:	1920 × 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 × 437 × 74 mm
Dimensions (24" built-in only):	593 × 384 × 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
Up to 5 Gigabit Ethernet LAN ports are available for redundant connection to process LANs on the bridge.

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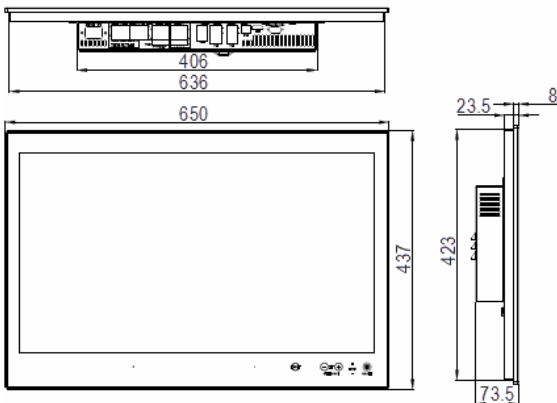
Electrical
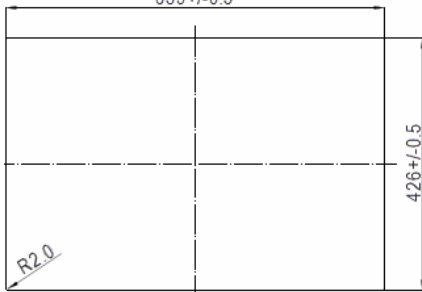|	
Input voltage:	230 VAC ± 10 %
Frequency:	50/60 Hz ± 5 %
Power consumption:	198 W (typical)

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

PANEL PC 27"

CUTOUT

Note:
1. Recommended Panel thickness for Console mounting is 5mm.
2. Panel PC is adapted also for Table Mounting Bracket

TRACKBALL

CUTOUT

INTERFACE BOX

ON/OFF
Power Port

4x M4 TAP-5mm max. depth