A PLANNING STATION WITH ECDIS FUNCTIONALITY ON A PANEL PC

The K-Nav Planning Station is a “back-office” station designed for chart maintenance and voyage planning. It provides standard ECDIS functionality – including route planning and validation – but on a desktop Panel PC).

Features

• The same comprehensive and flexible route planning facilities as are available on K-Nav ECDIS.
• Validation of the planned route against the vector chart database. (If it crosses the safety contour or the border of a restricted access area, warnings are issued.)
• Displays radar video from a selected radar display as an overlay on the chart.
• Displays radar and / or AIS targets.
• Interfaces to a Kognifai Connect unit from Kongsberg Maritime, giving access to automatic chart updates and other services.
• Acts as a mirror host for distribution of chart updates to K-Nav ECDIS and Radar operator stations.
• Integrated system-wide palette controls.
• Exports routes to other KM operator stations (over the LAN) or to third-party systems over a serial connection.
• A Site Map option allows non-ECDIS (AutoCAD or GeoTIFF) data to be displayed on the chart.
• A Survey option allows surveys to be planned and performed.
• A Wind Farm Route Planning option allows routes to be planned through a wind farm for a vessel that is making scheduled service or delivery stops at several turbines. The planned route takes account of weather and tide prediction data.
• Meets class requirements for planning stations.
## 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)
- **Weight:** Approx. 9.5 kg
- **Dimensions (27”):** 650 x 437 x 74 mm
- **Dimensions (24”):** 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 DGPS
  - 1 x heading reference system
  - 1 x speed log

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

## Key measurements

![Panel PC dimensions diagram]