



## POWERFUL HYDROGRAPHIC WORK STATION (HWS)

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The Hydrographic Work Station is equipped to handle the heavy processing requirements and high-speed, large-volume data storage demands of today's hydrographic systems.

### Primary features

The HWS has been specifically designed as the optimal platform for running the Seafloor Information System (SIS) real-time operating software used on the Kongsberg EM<sup>®</sup> multibeam echo sounders.

Special features of SIS include real-time:

- Gridding of sounding data.
- Filtering of sounding data.
- 3-D visualization of sounding data.
- Storage and visualization of high resolution back-scatter data from the seabed and the water column.

### Software

The system disk is pre-installed with 64 bit Microsoft Windows<sup>®</sup> 7 Professional and SIS.

### Data storage

The primary task of the HWS is to safeguard the collected data and to visualize it for quality control.

One separate SSD system disk and two 1TB data disks are located in the front, and can be easily removed when the HWS is switched off. All data is initially stored on one disk and gridded data is stored on a separate disk for optimal performance.

For users having preferences for other storage devices or media, the HWS includes USB 3.0 interfaces. Gigabit Ethernet is available for transfer of the data to another network computer.

### Installation

The HWS is a desktop PC model, and a kit for mounting in a 19" rack is available as an option.

Up to four displays can be attached, 3 digital and one VGA connector is available. Kongsberg offers displays in different sizes and several mounting options.

This revision of the HWS has a new graphics board, NVIDIA Quadro K620. This graphics board has one display port and one DVI output. In addition there is one VGA port and one display port on the main board.

The optional kit for 19" rack mount will provide an ingress protection rating of IP22. The standard displays are IP65 rated in the front. A spill-proof US keyboard and a standard optical mouse is included.

The Hydrographic Work Station is tested against IACS Unified Requirements E10 and IEC 60945.

## FEATURES

- **CPU:** Intel Core i5 64-bit Quad-Core processor
- **Memory:** 4x4 GByte
- **Graphic card:** Nvidia Quatro K620
- **Storage:** 2x1TB hard disks
- **USB interfaces:** 5xUSB2.0, 2xUSB3.0

All components making up the HWS are standard but high quality PC parts. Spare parts should be readily available from local suppliers as well as on the Internet. Components with equal or better specification may be used in the future. Components are interchangeable between different versions of the HWS.

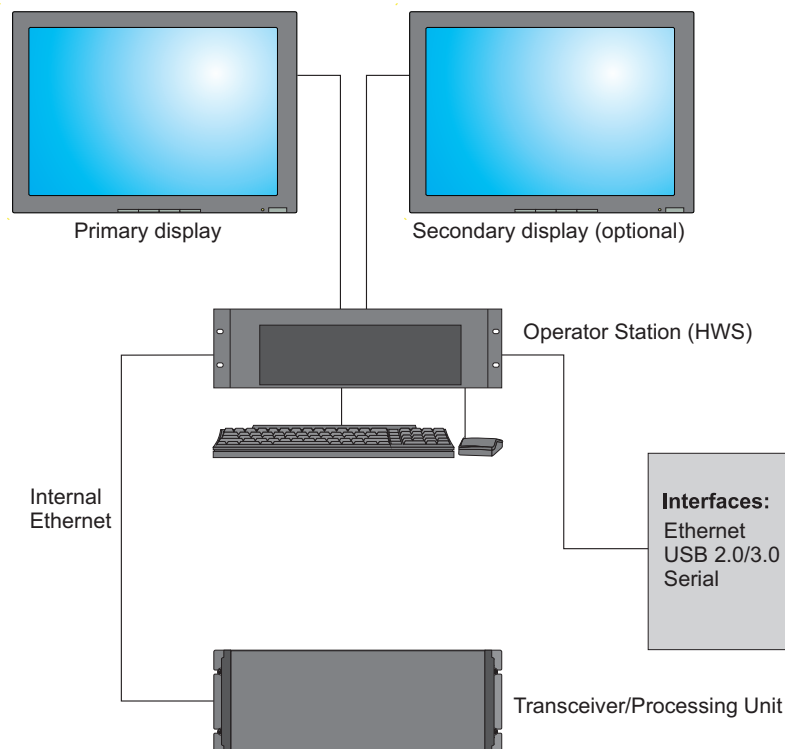


## TECHNICAL SPECIFICATIONS

Width	338 mm
Height	100 mm
Depth	379 mm
Weight	Approximately 7 kg
Power supply	110/220 VAC, 60/50 Hz
Power consumption	Maximum 240 W

Dimensions are excluding handles, brackets and rack mounting ears.

Tested against IACS Unified Requirements E10 and IEC 60945.



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Specifications subject to change without any further notice.