



SMC Helideck Operation System for Yachts is a pre-configured and easy to install system to comply with Large Yachts and other vessels that have a Helideck. The system provides vessel motion and weather monitoring on one single SMC Panel Display

### Function

SMC Helideck Operation System for Yachts is the SMC-1310 Panel Display pre-installed with the SMC VMMS and the SMC Weather Interfaces. The screen presents data collected from the SMC Motion Reference Unit and a Weather Station that are included in the system, together with data from the GPS and Gyro compass provided by the Vessel. The data is presented on an easy to read 10.1 inch high resolution touch screen for usage in bright environments. The screen has brightness control and comes with three different themes and colors to switch between to enhance the user experience. The graphical display and logged data can be accessed remotely over the LAN via a web interface using a standard browser.

The SMC HOSY helideck system is not a CAP437 standard system for moving platforms, used for offshore vessels. For CAP437 systems see the SMC HMS system.

### Vessel Motion Monitoring Display

The SMC VMMS enables a straightforward and simple evaluation of the Yachts' movements by logging, processing and display the movements in real time with data from the SMC Motion Reference Unit. The graphical display shows rotational and linear measurements for Roll, Pitch, Heave, and Heave Rate together statistical data. Alarm Levels for Safe, Warning and Critical motion levels can be set which is displayed in the traffic light Go / Warning / No Go display for operations such as Crew and Equipment Transfer.

### Weather Display

The Weather Display presents the data for Wind, Temperature, Humidity and Pressure. Other instruments can be used and configured in the same graphical layout.

### Data Log

All data is stored in the 12 GB built-in emmc disk drive. The data is time stamped and stored in a SQL database and can be viewed using the built-in log view. The logged data can be exported to comma separated text files.

### Key Features

- Touch Screen Panel Display
- Easy to install & simple operation
- Roll, Pitch, Heave
- Wind & speed direction
- MCA Large Yacht Code LY3, Red Ensign Yacht Code

### About SMC

SMC is an ISO9001:2015 quality management certified company, manufacturing motion sensors and system integration software packages, environmental and weather monitoring systems.



# Specification SMC HOSY

SMC-1310  
Touch Screen  
Panel Display

Processor ARM based processor  
Operating System Linux  
Storage 16 GB, 12 GB for Logging  
RAM 2 GB  
Display size 10.1 inch  
Brightness 800 cd/m<sup>2</sup>  
Aspect Ratio 16:10  
Resolution 1280x800  
Viewing angle 89 degrees  
Touch Type Capacitive  
Mounting VESA 75x75mm (VESA stand not included)

Interface Built-in

Serial 4xRS232 or 2xRS422/485  
USB Type A for System Expansion  
Ethernet

Environmental

Operating Temperature Range 0° to +50°  
Celsius  
IP rating IP22  
Power requirements 12-36 VDC

SMC HOSY inputs

SMC Motion Reference Unit  
Weather Station Wind Speed & Direction/ Temperature & Humidity / Atmospheric Pressure  
GPS (provided by Yacht)  
Gyro compass (provided by Yacht)

Displays Tabs

Motion VMMS, Weather, Logging

Logging

Logging of all interfaced and processed parameters, Usage approx. 2 GB data per month  
Built in Backup features

Security Roles

Administrator, Operators, Technicians, Limited

External Output

Serial, Ethernet, SNMP, Modbus TCP/RTU

Support

Free Technical remote support

