

MULTIFUNCTION BY DESIGN

MANTADIGITAL™



Kelvin Hughes' MantaDigital™ multifunction navigation workstation provides ECDIS, Radar and Conning functionality in a single station.

The single Kelvin Hughes MantaDigital™ multifunction navigation workstation is able to provide ECDIS, Radar and Conning Display mode functionality on its screen, bringing all relevant navigation information to your fingertips. The different Type Approved modes can all be displayed with a simple 'point and click' at the relevant screen icon.

ADVANCED TECHNOLOGY AND FEATURE RICH

All MantaDigital™ workstations utilise the latest Kelvin Hughes technology and are able to support the full range of features including: dual PPI, Enhanced Target Detection (ETD) and ice detection, Chart Radar, Dynamic Clutter Suppression, Vessel Predictor, Radar Overlay and SharpEye™ solid state radar compatibility. These features combine to provide an easy to use radar display that significantly increases ship safety.

BUILT IN FUNCTIONAL REDUNDANCY

In a system consisting of two or more workstations, any individual workstation can be selected to take over the role of any station.

Each singular multifunction workstation forms an independent 'display – processor' hardware/software combination which can be configured to provide a fully redundant back-up to other MantaDigital™ stations in the bridge system. So a multifunction station operating as a Radar or Conning display can also be a backup ECDIS and vice versa.

To provide fast response to the user and greater system reliability, MantaDigital™ does not rely on video switchers or network switching and it is not necessary to re-start the system to bring mode changes online. Added to this, external sensor information is provided directly to all the multifunction stations within the system avoiding the potential for single points of failure.

FLEXIBILITY

Any station on the bridge can be programmed to provide any functionality, at any time. This provides flexibility for the bridge team allowing all relevant navigational information to be available at any workstation location, which can provide greater situation awareness, informed decision making and enhanced navigational safety.

MantaDigital™ multifunctionality can be installed anywhere on the bridge so that navigational information is no longer restricted to just one or two prime locations. Whether you are docking or navigating in open sea, the information is available where you need it and information can also be tailored to meet different operational requirements.

The hardware is available for console, desktop, swivel tilt bracket and deck mounting, together with a choice of 22" or 26" screen sizes, which



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SAVING COST

Multifunctionality often allows fewer navigation stations to be used to meet navigational requirements and together with the absence of physical switching circuitry, can result in a saving of both cost and space. Multifunctionality reduces the need for video switching with its complex installation requirements and expensive switching technology.

BENEFITS

- ALL MODES ARE AVAILABLE ON ALL WORKSTATIONS
- INCREASES SYSTEM FLEXIBILITY
- PROVIDES SHARPEYE™ AND ENHANCED TARGET PROCESSING CAPABILITY
- PROVIDES CONTINUOUS BACKUP FUNCTIONALITY

SOFTWARE	INCLUDED	OPTIONS
STANDARD RADAR (SUPPLIED AS STANDARD WITH MANTADIGITAL™ RADAR SYSTEMS)	SINGLE RADAR DISPLAY	ENHANCED TARGET DETECTION (ETD)
	DUAL RADAR DISPLAY	ROUTE PLANNING
	CHART RADAR (180 DAY TRIAL LICENCE)	FLIR CAMERA
	ENHANCED TARGET DETECTION (180 DAY TRIAL LICENCE)	FOR NAVIGATION AND CONNING TYPICALLY A SYSTEM WILL EXCLUDE A TRANSCIVER AND ANTENNA AND BE NETWORKED WITH THE CHART RADAR (INCLUDES TRANSCIVER AND ANTENNA) AND/OR AN ECDIS.
	ROUTE PLANNING (180 DAY TRIAL LICENCE)	
	SIMULATION	
CHART RADAR	SINGLE RADAR DISPLAY	ECDIS
	DUAL RADAR DISPLAY	ENHANCED TARGET DETECTION (ETD)
	CHART RADAR (180 DAY TRIAL LICENCE)	FLIR CAMERA
	ENHANCED TARGET DETECTION (180 DAY TRIAL LICENCE)	FOR NAVIGATION AND CONNING TYPICALLY A SYSTEM WILL EXCLUDE A TRANSCIVER AND ANTENNA AND BE NETWORKED WITH THE CHART RADAR (INCLUDES TRANSCIVER AND ANTENNA) AND/OR AN ECDIS.
	ROUTE PLANNING (180 DAY TRIAL LICENCE)	
	SIMULATION	
ECDIS RADAR (SUPPLIED AS STANDARD WITH EC (ECDIS) SYSTEMS)	ECDIS	FOR NAVIGATION AND CONNING TYPICALLY A SYSTEM WILL EXCLUDE A TRANSCIVER AND ANTENNA AND BE NETWORKED WITH THE CHART RADAR (INCLUDES TRANSCIVER AND ANTENNA) AND/OR AN ECDIS.
	ROUTE PLANNING	
	SIMULATION	
ECDIS WITH RADAR INTERLAY (SUPPLIED AS STANDARD WITH EC (ECDIS) SYSTEMS)	ECDIS	FOR NAVIGATION AND CONNING TYPICALLY A SYSTEM WILL EXCLUDE A TRANSCIVER AND ANTENNA AND BE NETWORKED WITH THE CHART RADAR (INCLUDES TRANSCIVER AND ANTENNA) AND/OR AN ECDIS.
	ROUTE PLANNING	
	SIMULATION	
	ECDIS RADAR INTERLAY	

Kelvin Hughes can provide a cost effective navigation and Conning configuration upon request. Please contact us for more information.

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