SeaNet SCU

Surface Control Unit

Features

- Single & Multiple Sensor communication
- Rugged construction
- 19” Rack mountable
- SVGA/XGA/SXGA & PAL/NTSC Output
- 4 USB ports - 2 front and 2 rear

Applications

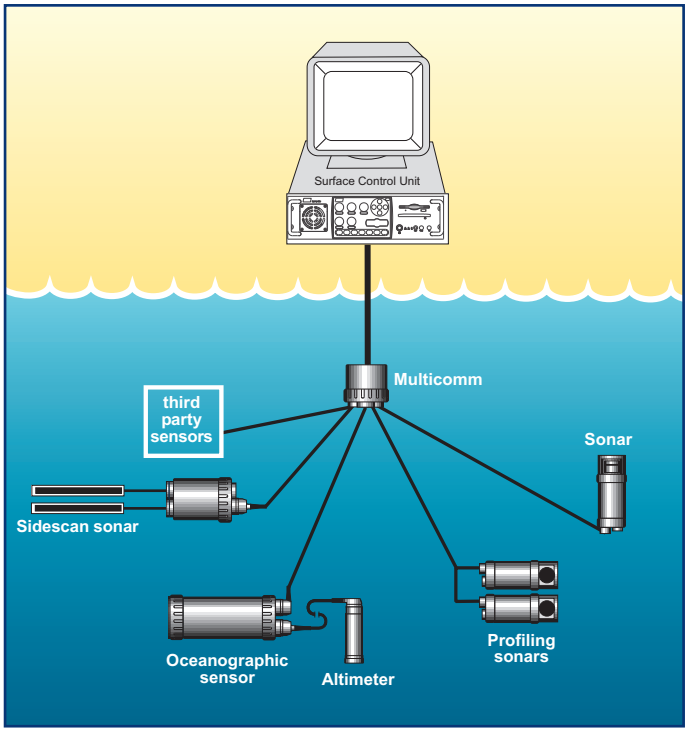
- Tritech Obstacle Avoidance Sonar control
- Tritech Survey sensor control
- All SeaKing sensors & thrid party equipment control

The highly successful SCU-3 processor has been upgraded to provide the latest performance capabilities available from PC technology.

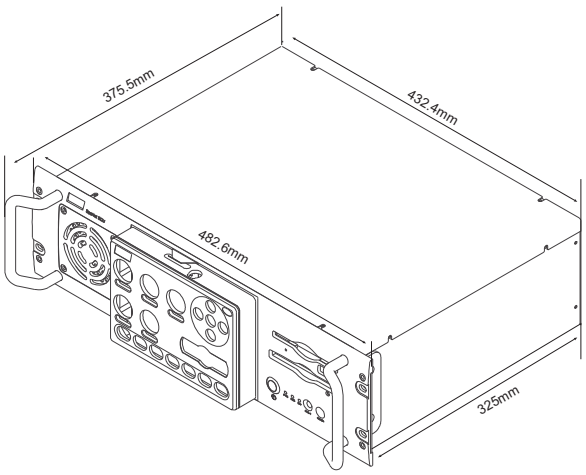
The SeaNet SCU has been designed to provide everything that Tritech customers have requested in a new state of the art surface control unit. To ensure the SeaNet SCU provides a reliable, rugged and easy to install replacement for the SCU-3, it has been designed as a robust 19” rack mount unit with floated shock mount sub assemblies for maximum reliability.

A high-speed 156kBits/sec communication system is used within the SeaNet SCU, allowing a full suite of Tritech sensors to be operated over a single twisted pair or, by utilising the Tritech MultiComm, over anRS232/Fibre-Optic interface. Each device connected to the SeaNet SCU runs, in real time, in its own onscreen window. The monitor display may be varied to show single or multiple windows and this can be altered at any time during normal operations. This multiple sensor capability provides obvious cost benefits as well as reducing the space requirement for consoles in the control room.
The SeaNet SCU is a multi-tasking control unit running under an embedded Microsoft Windows XP operating system installed on solid-state Flash disk. Fitted with a 3.5” Floppy Drive and 250MB Zip Drive the SeaNet SCU provides easy access to data storage and data transfer.

The SeaNet SCU retains the use of the industry favourite Remote Access Terminal (RAT) as was used on the SCU-3. This RAT provides full control of the SeaNet SCU and its ergonomically designed layout ensures that all functions are well placed and easy to use. The built in mini-joystick on the RAT provides a useful tool for carrying out range and bearing measurements on sonar data. If preferred the RAT may be detached from the SeaNet SCU processor allowing it to be operated from a more desirable location.



Specifications



Processor:	IntelTM Pentium, 2.4GHz with 256MB RAM
Operating System:	Microsoft Windows Embedded XP
Primary Control:	PS2 Remote Access Terminal (RAT)
Video Output (1):	SVGA, XGA or SXGA
Video Output (2):	Composite and S-VHS PAL/NTSC
ArcNet Link:	1 x 156kbits/sec (1500m) or 78kbits/sec (2500m)
Storage Media:	3.5” Floppy & 250MB Zip
Interface Ports:	3 x RS232 (electrically protected comm ports) 4 x USB 2.0 ports (2 Front, 2 Rear) NET GEAR LAN network card 1 x Keyboard (PS/2) 1 x Mouse (PS/2) 1 x Parallel Port (Centronics) 1 x 24VDC @ 24VA Output (for equipment test purposes)
Input Voltage:	110/220VAC 50/60Hz @ 50VA
Weight:	12kg
Material:	Aluminium, Stainless Steel
Operating Temperature:	0 to 40 deg C
Storage Temperature:	-20 to 50 deg C
Options:	Composite Video Input Barometric Pressure Sensor Internal HDD

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