

Seanet SCUv5

Surface Control Unit



Applications

- Trittech sonar control
- Third party equipment control
- Integration of GPS and survey data

The Seanet SCU is a multi-tasking control unit running under Microsoft Windows™, which is installed on an internal solid-state disk. Supplied with the Seanet SCU is a Remote Access Terminal (RAT) which is an ergonomically designed device proving the user with a number of control functions. This RAT either clips neatly onto the front of the unit or is used remotely over the extensions a cable.

Benefits

- Rugged, versatile construction
- Control Gemini sonars
- Control multiple SeaKing sensors
- Expandable and configurable
- Integrate into IT infrastructure

Features

- High resolution video output
- Multiple input/output ports
- USB ports included
- Flash card reader
- Port activity lights
- RS232, RS485, ARCNET, Ethernet

To ensure the Seanet SCU provides a reliable and easy to install unit it has been designed as a robust 19" 3U rack mount unit with ruggedly mounted sub assemblies for maximum reliability. A high speed 156kbit-s-1 communication system is used within the Seanet SCU, allowing a full suite of Trittech sensors to be operated over a single twisted pair or, by using the Trittech MultiComm Junction Box, over an RS232 or fibre optic interface.

The Seanet SCU is supplied with Trittech's Genesis and Seanet Pro software (which is pre-loaded onto the SCU). This allows for the integration of multiple Trittech sensors, offering a single point of control for all the sensors on the ROV. When running Seanet Pro, each device connected to the Seanet SCU runs in real time in its own window. The 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.

Key Specification	
Operating system	Microsoft Windows™
Power consumption	300W
Storage	256GB M2.SSD
Materials	Aluminium, Stainless steel

Interface ports			
Interface type		Number of ports	Communication
RAT	DE-9 (9 pin female)	1	RAT extension
User interface	DE-9 (9 pin male)	6	ARCNET* ¹ , RS232, RS485 or RS422
	DA-15 (15 pin female)	1	ARCNET* ¹ or RS232
	USB (front)	4	USB 2.0
	USB (rear)	4	USB 3.0
Video output	DA-15 (15 pin male)	1	SVGA, XGA or SXGA
	Display port	2	Display port* ²
Ethernet	Dual RJ145 1Gbit Ethernet Ports		

Electrical	
Input voltage	Universal 100-240VAC 50/60Hz
Power consumption	300W (nominal)
Processor	Intel™ i3 (or better)
Storage	256GB M2.SSD

Software	
Operating system	Microsoft Windows™
Software	Genesis and Seanet Pro

Physical specifications	
Case width	432mm / 17.01in
Front panel width	482mm / 19.00in
Height	133mm / 5.24in
Depth	325mm / 12.80in
Depth including handles	376mm / 14.81in
Weight	10.00kg / 22.05lbs
Materials	Aluminium, Stainless steel
Temperature (operating)	5°C to 35°C / 41°F to 95°F
Temperature (storage)	-20°C to 50°C / -4°F to 122°F

Specification subject to change in line with Tritech's policy of continual product development

*¹ ARCNET speed 156kbit·s⁻¹ (1200m) or 78kbit·s⁻¹ (2500m)

*² HDMI and DVI outputs available using supplied adaptors