P-Sea

Underwater Dive Computer

50m depth rated computer

The highly regarded P-Sea has been updated to take advantage of advances in computer processing power and allow the P-Sea to run the latest generation of multibeam imaging sonar offered by Tritech.

Preinstalled with the Windows® operating system the P-Sea can be used to operate a range of software packages and not just software packages intended for Tritech sensors.

Two serial ports and an Ethernet port allow the user to integrate a number of sensors to this single computer enabling the P-Sea to be used to display critical information from a range of sensors.

The P-Sea incorperates a 7" high resolution colour display.

An Intel Atom processor and 2GB RAM ensure that the P-Sea has the capacity to run software programs requiring significant processing power while only requiring 30W from a 20 to 36V DC external power supply.

The eight buttons on the front panel have been designed to allow for easy operation by a diver who may have limited dexterity due to to the need to operate the P-Sea while wearing dive gloves.

The hard anodised aluminium housing and tempered glass ensures the P-Sea is robust and suitable for use in the harshest of environmnets.

With a 120Gb internal solid state drive the P-Sea can be used to store mission critical information which can be downloaded post mission for analysis by downloading though the USB3.0 port.

The P-Sea is ideally suited for integration with the Tritech Gemini multibeam imaging sonar, allowing the Gemini sonar to operate at it's full potential.

Two additional serial ports (1 x RS232 and 1 x RS485) support 115k2 baud and allowing the P-Sea to display additional mission critical information, such as depth or position information, alongside the primary sensor input.

A truly versatile underwater computer, the P-Sea can be used with mechanical sonars as well as multibeam sonars and can also be used to integrate with non Tritech sensors.

Benefits
- Fully waterproof
- Covert mode of operation
- Windows® operating system
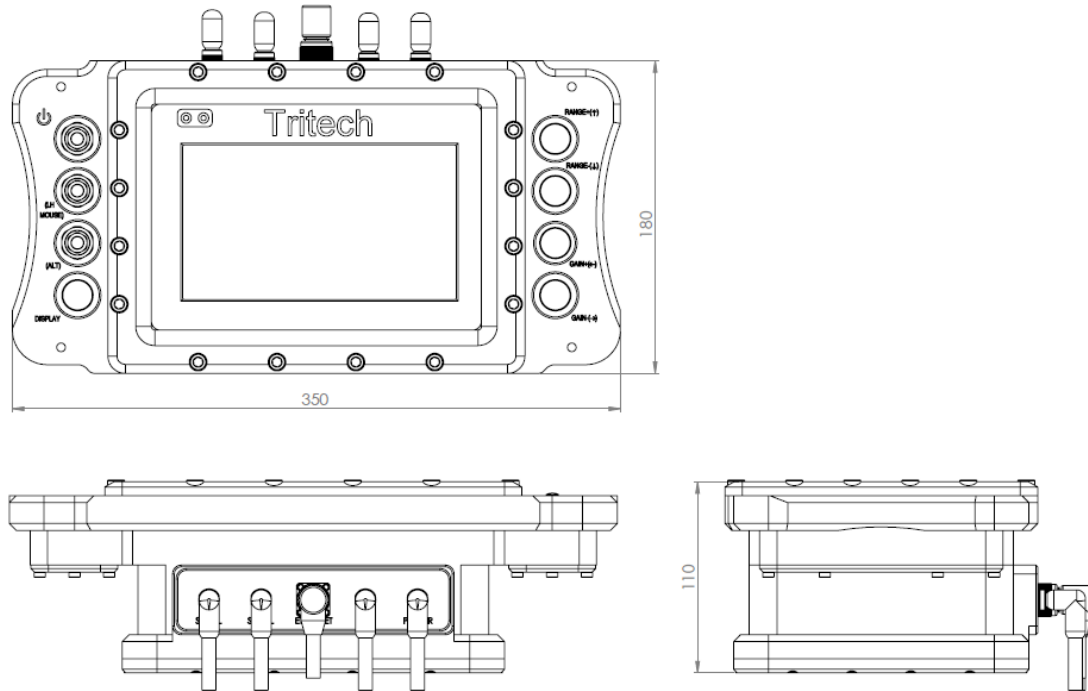- Preinstalled Gemini sonar software

Features
- Two serial ports
- 10/100Mb Ethernet port
- USB data port
- 7" high resolution colour display

Applications
- Civil, military and sport diver
- Subsea vehicle integrated solution

Specification

All dimensions are in mm, not to scale

Computer	
Processor	Intel Atom
RAM	2GB
Storage	120Gb solid state (80Gb available to user)
Display	7" (1280 x 1024, 32 bit colour)
Operating System	Windows®
Software	Tritech sensor software package
Control	8 off front facing switches

Interface	
Power requirement	30W maximum (computer only)
Supply voltage	20-36vdc
Ethernet port	10/100Mb
Serial ports	2 off RS232/RS485
USB port	USB3.0, providing 5V @ 500mA

Physical specification	
Depth rating	50m
Weight in air	6kg
Weight in water	2.2kg
Temperature rating	-10 to +40°C (operating), -20 to +60°C (storage)