

优势

Optional 12V AUX Power provide easy support for our F180® Series and UIS Camera

功能强大的工业级电脑主机

与实时3D声呐系统完美结合

提供时钟同步功能

适合各种艰苦复杂的作业环境

同时为声呐换能器和旋转云台供电

可为惯导系统和摄像头提供12伏辅助电源

提供专为Echoscope®设计的强大3D显卡

可选VDSL 模块

出色的工作表现

完美的技术解决方案



CodaOctopus 3D Productivity Station (3DPS)

The 3D Productivity Station (3DPS) is a ruggedized, industrial PC-based solution for use with the CodaOctopus 3D real-time sonar range.

The 3DPS is a 3U form-factor 19" rack-mountable unit featuring an integrated power supply for 3D sonar and IPT/ISAR units, Auxiliary 12V power for supported accessories, Echoscope Time Lock functionality, optional VDSL module and a range of serial ports for interface to ancillary survey sensors.

The unit is configured to the user requirement with CodaOctopus Underwater Survey Explorer software or Vantage software. The 3DPS uses a high-end processor and graphics hardware to deliver excellent 3D graphics rendering, data acquisition and processing performance.

The 3DPS Feature Upgrade, in conjunction with the latest DIU Configuration Setup and Underwater Survey Explorer offer a seamless and scalable processing workstation for tight integration of our range of Echoscope® real-time 3D sonars and our UIS (Underwater Inspection System) primary sensor package. The 3DPS now fully supports direct connection with our 3D IPT and ISAR rotators for flexible and dynamic

surveying and inspection, coupled with the industry proven F180 series for high accuracy position and attitude compensation. Finally, users can add the UIS Day/Night digital camera for simultaneous above and below waterline imaging for critical recovery and inspection tasks.

Along with the Echoscope® and Dimension sonar range, the 3DPS completes the all-in-one sonar deployment package with an approved solution delivering proven performance and reliability.

Features

- Optional 12V AUX Power provide easy support for our F180® Series and UIS Camera
- Seamless and scalable processing workstation
- Tight integration to our real-time 3D sonars
- Ruggedized PC platform for harsh environments
- Designed for integrated use with CodaOctopus 3D real-time sonar range and accessories
- Dual-output power supply supporting sonar and IPT
- Approved solution for CodaOctopus Underwater Survey Explorer or Vantage software
- Plug-and-play solution for sonar deployment
- Integrated Echoscope Time Lock function
- Full range of ports for ancillary sensors interface

Hardware

Processor	Intel® Core™ i7-4770S 3.10 GHz
Memory	8 GB DDR3 1600 MHz

Drives	
Hard drive	1 TB Enterprise grade SATA
Optical drive	Slot DVD drive
Graphics	NVIDIA® GeForce® GTX 1060

Input devices	
Mouse	USB Optical Mouse
Keyboard	USB Keyboard

Connectivity and communications	
Network interface	2 x Gigabit Ethernet
Ports	7 x RS-232 4 x USB 2.0 2 x USB 3.0
Echoscope Time Lock	1 x RS-232 (Time String Input) & 1 x BNC (1PPS Input)
Sonar connector	Deutsch AS0-20-16SN
VDSL (Optional)	Screw terminal block
Video connectors	2 x DVI (Dual-head output)
Form factor	3U 19" rackmount

Software	Microsoft® Windows® 7 Pro 64-bit OS CodaOctopus Underwater Survey Explorer* (for Echoscope) CodaOctopus Vantage* (for Dimension) * Pre-installed software suite based on client requirement
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Power	
Input supply voltage (PC)	120-240V AC (50-60 Hz)
Input supply voltage Sonar/IPT power supply	120-240V AC (50-60 Hz)
Output voltage Sonar/IPT power supply	27V DC

Physical	
Dimensions (L x W x H)	400 mm x 427 mm x 133 mm (15.7" x 16.8" x 5.25")
Weight	13.0 kg (28.6 lbs)



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