



### Benefits

- Full Gigabit data support for all compatible systems
- Support for our F180® Series, F280® Series and Echoscope® and Echoscope PIPE® sonars, and Echoscope® AIR
- Seamless and scalable processing workstation
- Tight integration to our real-time 3D sonars
- Fully supports direct connection to our IPT and ISAR
- Approved solution, proven performance
- Ruggedized PC Workstation
- Integrated dual-output power supply for Sonar, Pan & Tilt (IPT) and Single Axis Rotator (ISAR)
- Integrated Echoscope® Time Lock function
- Integrated IPT/ISAR Time Lock function
- Powerful 3D graphics processing designed for Echoscope real-time 3D sonars
- Optional external VDSL module

\*External power supply needed for F280 and Echoscope Air systems

## Coda Octopus 3D Productivity Station (3DPS)

The 3D Productivity Station (3DPS) is a ruggedized, industrial PC-based solution for use with the Coda Octopus 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 (F180®, F280®, Atlas Link, UIS Camera), Echoscope and IPT/ISAR 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 Coda Octopus® Underwater Survey Explorer, 4G USE® software or USE PIPE Core 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 the UIS 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 or Echoscope® Air camera for simultaneous above and below waterline imaging for critical recovery and inspection tasks.

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

### Features

- Integrated 12V AUX Power provide easy support for our F180 Series, UIS Camera, and AtlasLink™
- Seamless and scalable processing workstation
- Tight integration to our real-time 3D sonars (3G, 4G, PIPE)
- Ruggedized PC platform for harsh environments
- Designed for integrated use with Coda Octopus 3D real-time sonar range and accessories
- Dual-output power supply supporting sonar and IPT
- Approved solution for Coda Octopus® Underwater Survey Explorer, 4G USE® and USE PIPE Core software
- Plug-and-play solution for sonar deployment
- Integrated Echoscope and Pan & TILT / ISAR Time Lock function
- Full range of ports for ancillary sensors interface

## Hardware

Processor	Intel® Core™ i7-8700 3.20 GHz
Memory	16 GB DDR3 1600 MHz
Drives	
Hard Drive	1 TB Crucial/Samsung SSD
Optical Drive	Slot DVD drive
Graphics	NVIDIA® GeForce® GTX 1660 1 x HDMI 3 x Display Port
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 1 x RS-232 (Time String Input) & 1 x BNC (1PPS input) Deutsch AS0-20-16SN Screw Terminal Block
Echoscope Time Lock	
Dual Sonar/ Rotator Connector	
VDSL (Optional)	
4x Gigabit Ethernet	
Video Connectors	2 x DVI (Dual-Head Output) 1 x HDMI 3 x Display Port
Form Factor	3U 19" rackmount
12V DC Auxiliary Power	For the F180, Camera, and AtlasLink™

## Software

Microsoft® Windows® 11 Pro 64 bit  
CodaOctopus® Underwater Survey Explorer  
\*Pre-Installed software suite based on client requirement

## 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 - 12V DC AUX

## Physical

Dimensions (L x W x H)	400mm x 427mm x 133mm (15.7" x 16.8" x 5.25") - 13.5kg (28.6lbs)
------------------------	--



Copyright© 2022 Coda Octopus  
CodaOctopus® and Echoscope® are registered trademarks of Coda Octopus. NVIDIA® and GeForce® are registered trademarks of NVIDIA

The information in this publication was correct when it was published but specifications may change without notice. Photos are included for illustrative purposes only and actual items may differ in appearance. Coda Octopus does not assume responsibility for typographical or photographic errors. Issue 2.1 (8.20)

Sales Worldwide: +44 131 553 1380      Sales Americas: +1 407 735 2400  
More Information: [sales@codaoctopus.com](mailto:sales@codaoctopus.com)   [salesamericas@codaoctopus.com](mailto:salesamericas@codaoctopus.com)   [www.codaoctopus.com](http://www.codaoctopus.com)  
Technical Support Worldwide: +44 131 553 7003      Technical Support Americas: +1 888 340 2632

