

DPPmax

SmartVisionPlatform
 Core of the DAVD Flex Solution

Highly Performant, Ruggedized and Waterproof Computer System

The DPPmax is a high-performance, ruggedized and waterproof computer system which is designed to manage, acquire and process sensor inputs from devices such as audio, digital video, diver depth, motion sensors and real-time 3D sonar imagery. It can be mounted on a diver's cylinder to collect, process and display diver warn sensors, or installed in a subsea vehicle, and used to collect and process sonar and telemetry data for real-time 3D subsea imaging. Depth rated to 100m (328ft), the DPPmax has an integrated depth sensor, HDMI output and Ethernet and USB Connectivity, allowing it to interface with all manner of sensors and systems. Also available is a DPPmax VIM Edition, designed for integration with underwater vehicles and autonomous platforms.

The DPPmax is the core of the wider, highly configurable **DAVDflex** solution, and is designed to be integrated with industry-leading solutions without sacrificing performance, reliability or ease of use. The **DAVDflex** integrates topside control, a Head-Up Display (HUD), and digital communications for divers, facilitating seamless real-time information exchange between divers and supervisors via augmented reality displays in the diver's helmet. Divers access critical technical data and support from surface teams to optimize mission outcomes and enhance underwater safety.



Some of the innovative DPPmax features available are:



Ruggedized and Waterproof

The DPPmax's ruggedized housing protects against impacts and extreme environments. Its waterproof construction ensures reliable performance even when exposed to demanding use cases



Compatibility

DPPmax supports Ultra-Low Light Cameras, Head-Up Displays, Digital Communications and Echoscope® data



100 m Depth Rated

Engineered for reliable performance underwater, DPPmax is rated for depths of up to 100 metres. Its robust sealing and pressure-resistant design ensure durability and functionality during prolonged submersion, making it ideal for marine environments.



Built-In GNSS

Equipped with integrated GNSS capabilities, DPPmax provides accurate, real-time positioning without the need for additional hardware and ensures reliable location tracking even in challenging environments, making it ideal for navigation, asset tracking, and field operations

Power Consumption	18 - 48 V DC
Sensors	Depth Sensor
Data Input	Cobalt 10 Pin (Devices via USB)
Data Output	SubConn® MCOM6M (Power + Ethernet) SubConn® MCOM6F (Audio) Glenair® Aquamouse (HDMI Output)
Dimensions (h x w x d)	178 mm x 114 mm x 52 mm (Approx.) (7" x 4.48" x 2.04")
Weight in Air	1.2 kg (2.20 lbs)

