



DDIS-500 Diver Visual Sonar



DDIS-500

SPECIFICATIONS

Imaging Sonar

Blueview Dual Frequency Sonar

Frequency	900/2250kHz
Horizontal Field of View	45 deg
Vertical Field of View	20 deg
Range	100m @ 900kHz 20m @ 2250kHz

Navigation Sensors

INS SBG-ELLIPSE Heading Sensor

Accuracy	<0.5° to 1.5° RMS
Pitch/Roll	± 0.2°

GPS

Channels	72
Accuracy	2.5 Meters CPE
Cold Start	< 30 seconds (90%)
Reacquisition	< 2 sec (90%)

Rowe Doppler Velocity Log

Frequency	600 kHz
Accuracy	1% +/- 1mm/s
Maximum Altitude	120 m (394ft)
Minimum Altitude	0.4 m (1ft)

Depth Pressure Sensor

Accuracy	0.1% of Full Scale
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Navigation Accuracy

Along Track Error	5m at 4km over 4 hours
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Environmental

Depth Rated	100m (328ft)
Non Magnetic	To STANAG 2897, Class B
Operating Temperature	-4°C to 45°C (25°F to 113°F)

- ◆ **900/2250kHz Visual Sonar**
- ◆ **Autonomous Subsea Navigation**
- ◆ **Large LCD Display**
- ◆ **Low-Mag STANAG 2897**

The **DDIS-500** visual sonar is used to detect and identify underwater mines by clearance divers in poor visibility conditions and is certified to STANAG 2897 for a low-magnetic signature.

The DDIS-500 uses a multi-beam sonar, 900/2250kHz, to aid the diver in detecting and identifying mines. To support locating and marking subsea mines, the DDIS-500 uses an onboard navigation system that relies on internal sensors to provide navigation data. Information is displayed on a 12-inch LCD display. The unit also uses a low light video camera with adjustable LED light to capture images of subsea objects. All data is stored on a removable USB drive. Wet pluggable batteries provide up to 6 hours of operational use.

The DDIS-500 is supported by mission planning & analysis software that operates on a Microsoft® Windows® based system. An operator can plan a dive mission, upload it to the USB drive, load the USB drive to the DDIS-500, complete the dive while recording the results, and analyze the data from the USB drive through the software.

Display

LED Display	Color, 12 inch, 768/1024
Pixels	

Power

Battery	Hot Swap Rechargeable
Lithium	

Operational Life 6 hours

Mechanical

Size	56cm x 27cm x 38cm (22.0" x 10.5" x 15.0")
Weight	In Air: 20kg (44 lbs) In Water: Neutrally
Buoyant	
Housing Material	Delrin and Synthetic
Foam	
Switches	Oil Filled, Mechanical

Specifications are subject to change without notice

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