

Ready-to-Deploy 3D Imaging Sonar – Sonar 3D-15 System

The Sonar 3D-15 System is a complete, field-ready package designed for rapid deployment in offshore, marine survey, inspection, and subsea operations. Built around the proven Sonar 3D-15, the system provides everything required to power, connect, and operate the sonar in demanding environments without the need for complex electrical integration.

Whether deployed from a vessel, mounted on a pole over the side of a dock, or integrated into an ROV platform, the Sonar 3D-15 System enables users to quickly mobilize and begin acquiring real-time 3D sonar data.

Robust subsea connectors are designed for offshore and commercial marine operations, ensuring reliable system performance in harsh environments.

Included in the system

- Sonar 3D-15 with terminated cable
- 10 m deck cable (extended cable options available)
- I/O Interface Box
- AC-to-DC power supply
- RJ45 Ethernet cable
- 1 m mating tail
- Rugged transit case for transport and storage

Particularly suited for service companies, contractors, and equipment rental fleets, the Sonar 3D-15 System provides a versatile sonar solution ready for mobilization at short notice.

As a complete package, the system can be shipped directly to project sites and used immediately for system verification and operational deployment.

When integration with an ROV or subsea platform is required, the supplied mating tail enables straightforward connection to existing junction boxes or vehicle systems.

Designed to bridge standalone operation and full system integration, the Sonar 3D-15 System allows users to begin testing and operating the sonar immediately upon receipt while maintaining the flexibility to integrate the sensor into larger subsea systems when required.



Sonar | Acoustics

Mode	Low Frequency	High Frequency
Transducer frequency	1.2 MHz	2.4 MHz
Horizontal field of view	90° (±45°)	40° (±20°)
Vertical field of view	40° (±20°)	40° (±20°)
Maximum range	15 meters	4 meters
Minimum range	20 cm	20 cm
Range resolution	1.5 mm	1.5 mm
Beam separation	0.35° (horizontal) / 0.60° (vertical)	0.16° (horizontal) / 0.60° (vertical)
Angular resolution	0.85° (horizontal) / 1.60° (vertical)	0.45° (horizontal) / 0.85° (vertical)
Update rate	5 Hz	20 Hz

Sonar | Electrical

Input voltage	10-30 VDC
Power (operational)	20 W (maximum 60 W surge)
Power (standby)	3 W
Indicator	Status LED (Power)
Communication	Ethernet (10/100/1000 Base-T)
Maximum bandwidth	10 Mbit/s
Physical interface	3 m cable terminated with 8 pin Subcon MC8M

Sonar | Mechanical

Dimensions (W x H x D)	12 x 8 x 4 cm
Weight in air	0.66 kg
Weight in water	0.39 kg
Depth rating	300 meters
Material	Stainless Steel 316, Polyurethane
Operating temperature	-5 to 55 °C

Sonar System | Components

Deck cable	10 m
Topside interface box	11 x 8 x 6 cm
Power supply	110-220 VAC to DC
Ethernet RJ45 cable	5 m
Sonar mating tail (MC8F)	1 m
Rugged transit case	47 x 36 x 18 cm

Approvals

CE
