

OMNISCAN 450 COMPACT IMAGING SONAR

SKU: CER-OMNISCAN-450

The Omniscan 450 Compact Imaging Sonar is ideally suited for forward looking ROV applications. The transducer and electronics are housed in a single enclosure with Ethernet + power interface.

Supplier: Cerulean Sonar



TECHNICAL SPECIFICATIONS

Acoustic performance

Maximum Range	100 m
Beam Width	1.1 deg
Beam Height	50 deg
Vertical Beam Angle	15 deg downward
Frequency (nominal)	450 kHz
Range resolution	up to 1/1200th of range
Maximum Ping Rate	20 Hz

Electrical interface

Power	10-30 V, 10 W max (pinging)
Data Interface	100 Base-T Ethernet
Internal Ethernet Switch	Yes
Internal Electronics	Yes
Electrical Connection	Single cable w/4 pin JST for Ethernet data + 1 wire pair for power. Options for the 3 ports including Blue Trail bulkhead connector(s).

Mechanical

Weight in Air	934 g
Weight in Water	400 g
Max Operating Depth	300 m