OCULUS M1200D DUAL-FREQUENCY MULTIBEAM SONAR

SKU: BPS-OCU-M1200D



The benchmark in multibeam imaging sonars. The Oculus M-Series offers single and dual-frequency models, unparalleled image quality in a compact, rugged form factor, and a depth rating of 500 m.

Supplier: Blueprint Subsea

TECHNICAL SPECIFICATIONS

Compatibility

Compatible ROV models	X3, X3 Ultra, X7

Mechanical

Dimensions	122 mm (L) x 122 mm (W) x 62 mm (H)
Construction	Anodised Aluminium
Weight	980 g (Air), 360 g (Water)
Depth Rating	500 m
Temp. Range (operating)	-5°C up to +35°C
Temp. Range (Storage)	-20°C up to +50°C

Performance

Operating Frequency	1.2 MHz / 2.1 MHz
Range (maximum)	40 m / 10 m
Range (minimum)	0.1 m
Range Resolution	2.5 mm / 2.5 mm

Update Rate (maximum)	40 Hz
Horizontal Aperture	130° / 60°
Vertical Aperture	20° / 12°
Number of Beams (maximum)	512
Angular Resolution	0.6 ° / 0.4°
Beam Separation	0.25° / 0.16°

Electrical

Connector	Impulse IE55 Series, 6-way
Communications	4-wire 100-BaseT Ethernet 2-wire DSL extender module
Supply Voltage	12 V to 32 V DC non-isolated
Power Consumption	10 W to 35 W (model and range dependent)
Integrated Sensor	Water pressure and temperature (for Velocity-of-Sound calculations)