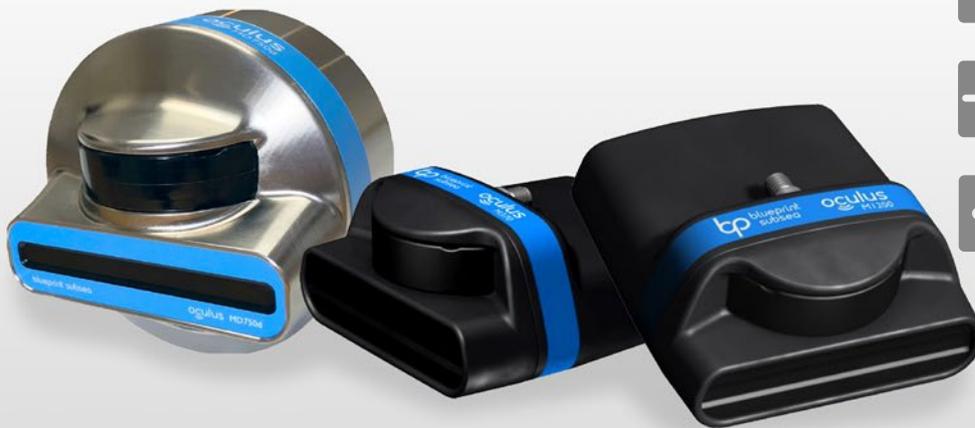




Oculus^{2D Sonar}



Depth rating 500m to 4000m



Frequency from 375kHz to 3.0MHz

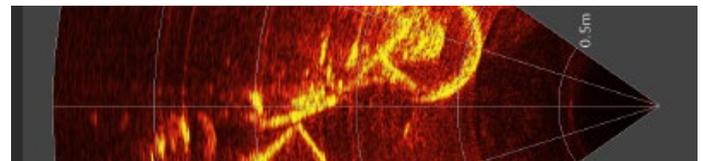


Range from 0.1m to 200m

The 2D Oculus sonars

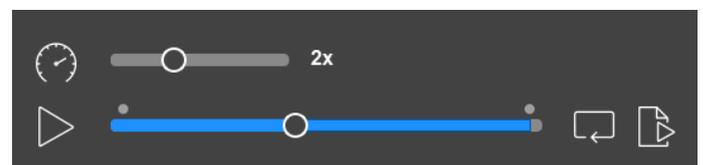
are a new generation of compact imaging sonar, designed for use across a wide variety of underwater applications.

Their small form factor makes them ideally suited for deployment onto micro sized platforms, while their rugged construction also makes them an excellent choice for larger work-class vehicles and subsea infrastructure.



ACOUSTIC TECHNOLOGY

Multibeam sonars, also called «acoustic cameras», allow real-time dynamic underwater imagery even in zero visibility conditions



USER FRIENDLY

Thanks to a plug-and-play architecture and to the user friendly Oculus ViewPoint software, Oculus sonars offer an easily implemented solution



INTEGRATION

Deployed by a diver, a ROV or mounted in fix position, down to 4000m depth, Oculus is highly compact and offers simple interfaces for easy and fast integration

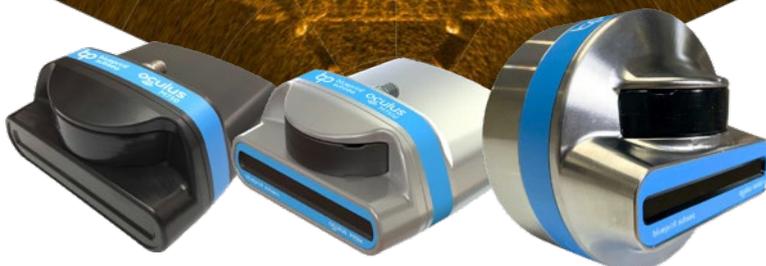
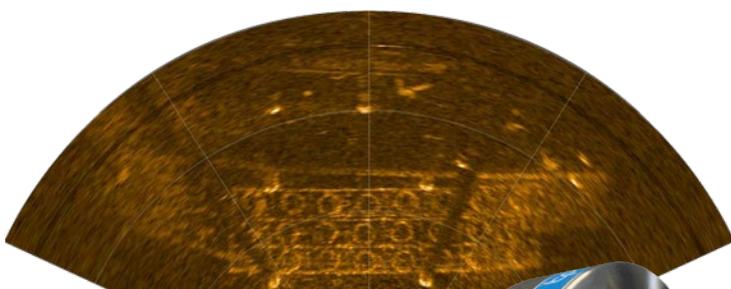


IMAGE COPYRIGHT BLUEPRINT

TECHNICAL SPECIFICATIONS

MECHANICAL

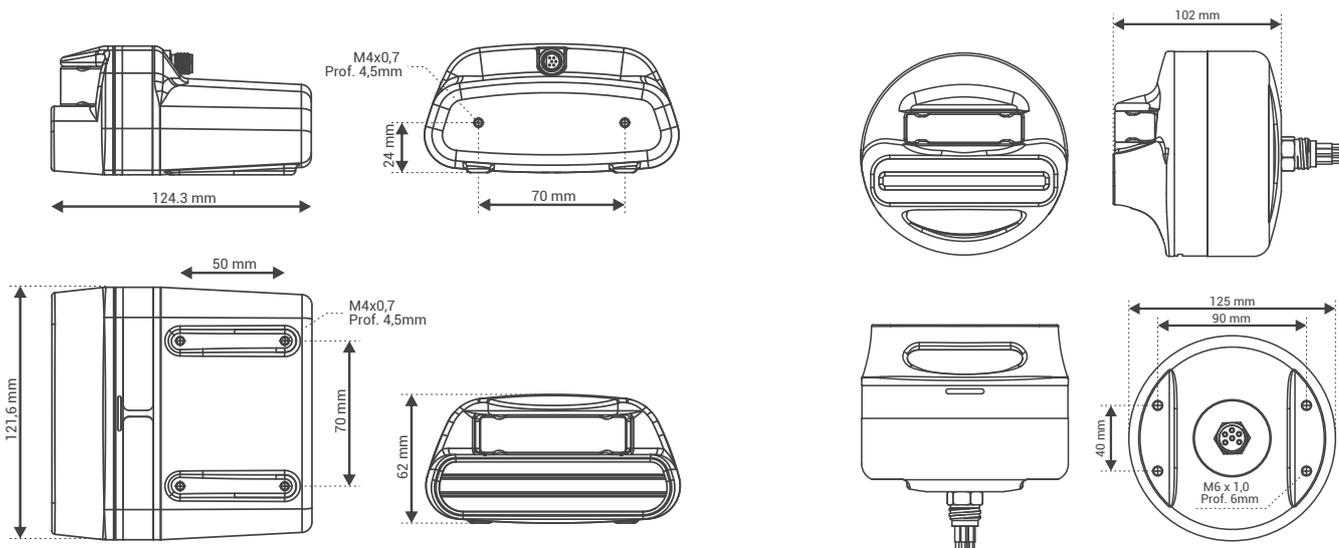
	M SERIES	MT SERIES	MD SERIES
Dimensions	L 125mm x W 122mm x H 62mm	L 125mm x W 122mm x H 62mm	L 102mm x Ø 125mm
Construction	Anodized Aluminium	Titanium	Titanium
Weight	980g (air), 360g (water)	1350g (air), 730g (water)	2,50kg (air), 1,45kg (water)
Depth rating	500m	1000m	4000m

ELECTRICAL

	M&MT SERIES	MD SERIES
Connector	Impulse IE55, 6-way	Impulse MC, 6-way
Communications	4-wire 100-BaseT Ethernet, 2-wire DSL extender module	4-wire 100-BaseT Ethernet, 2-wire DSL extender module
Supply voltage	12V to 32V DC non-isolated	18V to 32V DC isolated
Power consumption	10 to 35W	
Integrated sensors	Water pressure and temperature (for Velocity-of-Sound calculation)	

PERFORMANCES

	M(T/D)370s	M(T/D)750d	M(T/D)1200d	M(T/D)3000d
Operating frequency	375kHz	750kHz / 1.2MHz	1.2MHz / 2.1MHz	1.2MHz / 3.0MHz
Range (max)	200m	120m / 40m	40m / 10m	30m / 5m
Range resolution	8mm	4mm / 2.5mm	2.5mm / 2.5mm	2.5mm / 2mm
Horizontal aperture	130°	130° / 130°	130° / 60°	130° / 40°
Number of beams (max)	256	512	512	512
Angular resolution	2°	1° / 0.6°	0.6° / 0.4°	0.6° / 0.4°



M AND MT SERIES

MD SERIES



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