

M450 Mk2

2D Imaging Sonar

BlueView M-series - when you can't compromise on imagery. Compact full featured 2D multibeam imaging sonar in a compact form factor with low power requirements. Delivers high quality sonar imagery over a wide field of view with leading data quality.

- Wide 130 degree field of view
- Low power DC interface
- Simple to interface
- Capture sonar video with position data

The M-series Mk2 open nose cone design is a no compromise design focussing on delivering the best acoustic performance to increase image quality and improve range performance.

All M Series sonar operate while in motion or from a stationary position delivering real-time imagery and data.

Applications:

- ROV navigation
- Object detection
- Target tracking
- Obstacle avoidance
- Operations monitoring
- Equipment/tool placement
- Search and recovery
- Area survey
- Close-range high-resolution object identification



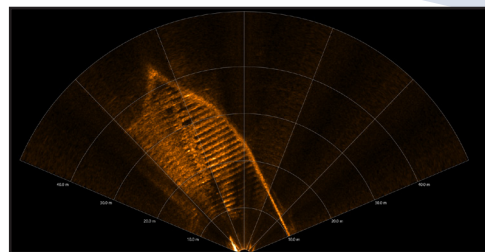
Developed with input from industry leading customers with decades of experience in some of the most demanding applications. For those who demand uncompromising sonar data quality in a compact and easy to interface package.

System standard configurations:

- Selectable field-of-view
- 1000m depth rating
- 6000m depth rating (titanium housing)

Optional extras

- Burton connector
- Impulse MKS connector



PRODUCT FEATURES & BENEFITS

Features:

- Real-time video like imagery
- Motion immune imagery
- Record raw acoustic data for enhanced controls during playback
- Point to point measurements
- Automatic and manual acoustic source level control

BENEFITS

- Open nose cone for superior data quality
- Robust design including splash-mate connector
- Low frequency for longest range performance



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SYSTEM SPECIFICATIONS

SONAR

Operating frequency	450kHz
Field-of view	130°
Max range	300m (984ft)
Optimum range	2-150m (6.5-197ft)
Beam width (horizontal)	1°
Beam width (vertical)	10°
Number of beams (maximum)	768
Beam spacing	0.18°
Range resolution	50.8mm (2.0inch)
Update rate*	Up to 20Hz

INTERFACE

Supply voltage	12-48 VDC
Max power consumption**	24 W
Connectivity	Ethernet
Connector	Impulse MKS(W) Splash-mate (standard) Impulse MKS, Burton (optional)

MECHANICAL

	Depth rating	L	W	Can diameter	Weight in air (kg)	Weight in water (kg)
BlueView M450 S Mk2***	1000m	203.4mm (8.0 inch)	195.6mm (7.7inch)	Ø101.6mm (4 inch)	3.5	1.6
BlueView M450 D6-Mk2***	6000m	253.7mm (10 inch)	195.6mm (7.7inch)	Ø127mm (5 inch)	8.5	5.5

* Range-dependent

** Standard unit at 24 VDC

*** Length does not include connector length

**** All frequencies and beam widths are nominal values



BlueView M450 D6-Mk2



BlueView M-Series Accessory Kit (example)

ACCESSORY KIT SCOPE OF SUPPLY

- Shipping case
- Ethernet cable 7ft
- Power Over Ethernet (PoE) box
- Cables whip 1.2m (4ft)
- Sonar to Surface cable 8m (25ft)
- Power cord (NEMA and EU)
- Manuals on USB disk

For relevant tolerances for dimensions above see detailed outline drawing, available on request.



TELEDYNE MARINE
BLUEVIEW
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www.teledynemarine.com/blueview

Tel. +45 4738 0022 (Europe) • Tel: +1 805 964 6260 (USA)

Email: blueview@teledyne.com