

# M900 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



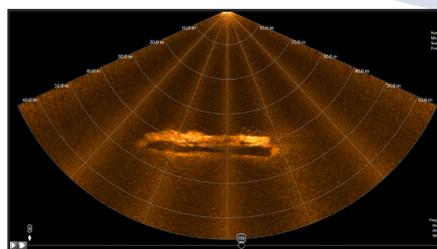
Developed with input from industry leading customers with decades of experience in some of the most demanding applications. For those who demand uncompromising sonar data quality in a compact and easy to interface package.

### System standard configurations:

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

### Optional extras

- Burton connector
- Impulse MKS connector
- VDSL option



900kHz image of German Schnellboot (fast boat), these craft were 35m long and 5.1m in beam. Data collected with M900/2250-130/45 which shares similar array configuration for 900kHz.

## 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
- Smallest BlueView sonar to allow for integration on the smallest platforms



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# M900 Mk2 2D Imaging Sonar



## SYSTEM SPECIFICATIONS

### SONAR

Operating Frequency	900 kHz
Field-of View	130°
Max Range	100m (328ft)
Optimum Range	2-60m (6.6-197ft)
Beam Width (horizontal)	1°
Beam Width (vertical)	12°
Number of Beams (maximum)	768
Beam Spacing	0.18°
Range Resolution	1.3cm (0.54 inch)
Update Rate*	Up to 25Hz

### INTERFACE

Supply Voltage	12-48 VDC
Max Power Consumption**	20 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 M900 S Mk2***	1000m	192mm (7.56 inch) excl. connector	Ø101.6mm (4 inch)	Ø101.6mm (4 inch)	2.5	1.2
BlueView M900 D6-Mk2***	6000m	253mm (9.96 inch)	Ø127 mm (5inch)	Ø127 mm (5inch)	7.9	5.2

\* Range-dependent

\*\* Non-VDSL unit at 24 VDC

\*\*\* Length does not include connector length, weights and dimensions for standard (non-VDSL) version only.

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



BlueView M900 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 non-VDSL products.



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