



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

PRODUCT 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



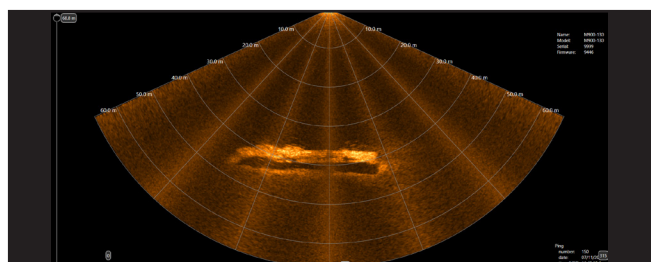
Developed with input from industry leading customers with decades of experience in some of the most demanding applications. For those who demand uncompromising sonar data quality in a compact and easy to interface package.

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 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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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

ACCESORY 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.

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



BlueView M900 D6-Mk2



BlueView M-Series Accessory Kit
(example)



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