

Dual frequency miniature multibeam imaging system

DF900-2250

Benefits :

- Combined high and ultra-high resolution sonar heads
- Compact / low power
- Not affected by motion (0-7 Knots)
- Designed for integration

Applications:

- Zero Vis ROV Operations
- Diver Work-Zone Visualization
- Equipment/Tool Alignment
- Target Detection and ID
- Hull Inspection



Features:

- Standard Ethernet interface
- Plug-and-play sonar heads
- Easy-to-use Windows Software
- Quickly switch between frequencies

The DF900-2250 (Dual Frequency) sonar system combines the power of BlueView's medium range P900 navigation and inspection sonar with the identification capabilities of a higher frequency 2.25 MHz sonar head. The DF900-2250 provides both the medium and ultra-short range imaging required to perform complex tasks in zero visibility conditions. The DF series is completely compatible with other BlueView ProViewer sonar making integration seamless for existing customers.

Specifications	
900 KHz HEAD	
Field of View:	45° x 20°
Max Range:	180 ft
Beam Width:	1° x 20°
Number of Beams:	256
Beam Spacing:	0.18°
Range Resolution:	1 in
Update Rate:	Up to 10 Hz
Frequency:	900 kHz
2.25 MHz HEAD	
Field of View:	45° x 20°
Max Range:	15 ft
Beam Width:	1° x 20°
Number of Beams:	256
Beam Spacing:	0.18°
Range Resolution:	0.4 in
Update Rate:	Up to 10 Hz
Frequency:	2.25 MHz
INTERFACE	
Coms:	Ethernet
Voltage:	12-48 VDC
Power:	15 Watts
MECHANICAL	
Weight in Air:	6.0 lb
Weight in Water:	1.5 lb
Depth Rating:	1000 ft
Size:	8.3 in x 5.0 in OD

DIAGRAM OF DF900-2250

