



DF900-2250

Dual Frequency Miniature Multibeam Imaging System

The DF900-2250 (Dual Frequency) sonar system combines the power of BlueView's medium range 900 kHz 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.



APPLICATIONS

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

BENEFITS

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

FEATURES

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

Specifications

900 kHz HEAD	2.25 MHz HEAD	INTERFACE	MECHANICAL
Field of View: 45°x 20°	Field of View: 45°x 30°	Coms: Ethernet	Weight in Air: 6.0 lb
Max Range: 180 ft	Max Range: 40 ft	Voltage: 12-48 VDC	Weight in Water: 1.7 lb
Beam Width: 1°x 20°	Beam Width: 1°x 30°	Power: 15 Watts	Depth Rating: 1000 ft
Number of Beams: 256	Number of Beams: 256		Size: 8.45 in x 5.49 in OD
Beam Spacing: 0.18°	Beam Spacing: 0.18°		
Range Resolution: 1 in	Range Resolution: 0.4 in		
Update Rate: Up to 10 Hz	Update Rate: Up to 10 Hz		
Frequency: 900 kHz	Frequency: 2.25 MHz		

DIAGRAM OF DF900-2250

