Teledyne BlueView

P900 Series

2D Imaging Sonar

A complete family of high-performance imaging sonar systems engineered for multitasking applications and flexible deployment options. These lightweight sonar systems offer real-time, high resolution sonar imagery for object identification, navigation, monitoring, and inspection tasks in a compact design. Choose from five (5) models including two (2) deepwater systems with a maximum detection range of 100 m (328 ft.) and three (3) field-of-view options.

ProViewer® Software: Delivered with each P900 Series sonar enabling immediate out-of-the-box operation. ProViewer can be installed on to any PC with a Windows® based operating system, no licensing fees required. Features:

• Intuitive, easy-to-use interface
• Crisp, detailed real-time imagery
• On the fly point-to-point measurements
• Video synchronization
• Georeferencing
• Movie exports

Software Development Kit (SDK): Sold separately the BlueView SDK enables sonar integration into complex platforms and/or customized systems. The SDK enables control of the sonar and provides access to the raw data files to control sonar operation and enable data flow-through. Features:

• Single .zip file
• Windows® and Linux versions available
• C/C++ libraries included
• Documentation to review architecture and logic
• Reference manual and step-by-step guide
• Example files
• No licensing fees

PRODUCT APPLICATIONS

All P900 Series sonar operate while in motion or from a stationary position delivering real-time imagery and data.

• ROV navigation

• Object detection/identification

• Target tracking

• Obstacle avoidance

• Operations monitoring

• Equipment/tool placement

• Area/structure inspection

• Search and recovery

TELEDYNE BlueView
Everywhere**you**look™

A Teledyne Marine Company

P900 Series
2D Imaging Sonar

TECHNICAL SPECIFICATIONS

		P900-45	P900-90	P900-130	P900-90-D	P900-130-D
Sonar	Operating Frequency	900 kHz	900 kHz	900 kHz	900 kHz	900 kHz
	Update Rate	Up to 15 Hz	Up to 15 Hz	Up to 15 Hz	Up to 15 Hz	Up to 15 Hz
	Field-of-View	45°	90°	130°	90°	130°
	Max Range	100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)	100 m (328 ft.)
	Optimum Range	2 - 60 m (6.5 - 197 ft.)	2 - 60 m (6.5 - 197 ft.)	2 - 60 m (6.5 - 197 ft.)	2 - 60 m (6.5 - 197 ft.)	2 - 60 m (6.5 - 197 ft.)
	Beam Width	1° x 20°	1° x 20°	1° x 20°	1° x 20°	1° x 20°
	Number of Beams	256	512	768	512	768
	Beam Spacing	0.18°	0.18°	0.18°	0.18°	0.18°
	Range Resolution	1.0 in.	1.0 in.	1.0 in.	1.0 in.	1.0 in.
Interface	Supply Voltage	12 - 48 VDC	12 - 48 VDC	12 - 48 VDC	12 - 48 VDC	12 - 48 VDC
	Power Consumption	9.0 W/9.5 W max.	18 W/22 W max.	19 W/23 W max.	17 W/23 W max.	17 W/23 W max.
	Connectivity	Ethernet/VDSL*	Ethernet/VDSL*	Ethernet/VDSL*	Ethernet	Ethernet
Mechanical	Weight in Air	5.3 lbs.	5.7 lbs.	5.7 lbs.	9.6 lbs.	9.6 lbs.
	Weight in Water	1.3 lbs.	1.36 lbs.	1.36 lbs.	4.4 lbs.	4.4 lbs.
	Depth Rating	1,000 m (3,280 ft.)	1,000 m (3,280 ft.)	1,000 m (3,280 ft.)	4,000 m (13,123 ft.)	4,000 m (13,123 ft.)
	Size L x W (max OD)	11.3 x 5.0 in.	11.3 x 5.0 in.	11.3 x 5.0 in.	12.4 x 5.0 in.	12.4 x 5.0 in.

* VDSL- Sonar with the onboard VDSL option will have increaed length and weight specifications, contact Teledyne BlueView for details.

TELEDYNE BlueView
Everywhere**you**look™
www.blueview.com