

Teledyne BlueView

# P450 Series

## 2D Imaging Sonar

Engineered for long range with wide area coverage options, the P450 Series is the best solution to detect, monitor, and track objects and/or targets in real-time at distances up to 250 m (820 ft.) maximum, 4 - 175 m (13 - 574 ft.) optimum. Five (5) models including two (2) deepwater systems that are designed primarily for ROV integration. Use the P450 Series to maximize underwater operation efficiency and minimize the downtime associated with low and zero visibility conditions.

**ProViewer® Software:** Delivered with each P450 Series sonar enabling immediate out-of-the-box operation 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 by enabling control of the sonar with access to 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



## PRODUCT APPLICATIONS

All P450 Series sonar operate while in motion or from a stationary position delivering real-time imagery and data.

- ROV navigation
- Object detection
- Target tracking
- Obstacle avoidance
- Operations monitoring
- Equipment/tool placement
- Search and recovery
- Area survey

# P450 Series

## 2D Imaging Sonar

### TECHNICAL SPECIFICATIONS

Model		P450-45	P450-90	P450-130	P450-90-D	P450-130-D
<b>Sonar</b>	Operating Frequency	450 kHz				
	Update Rate	Up to 12 Hz				
	Field-of-View	45°	90°	130°	90°	130°
	Max Range	300 m (984 ft.)				
	Optimum Range	4 - 175 m (13 - 574 ft.)				
	Beam Width	1° x 10°				
	Number of Beams	256	512	768	512	768
	Beam Spacing	0.18°	0.18°	0.18°	0.18°	0.18°
	Range Resolution	2.0 in.				
<b>Interface</b>	Supply Voltage	12 - 48 VDC				
	Power Consumption	8.5 W/9.5 W max.	20 W/24 W max.	20 W/24 W max.	17 W/23 W max.	17 W/23 W max.
	Connectivity	Ethernet/VDSL*	Ethernet/VDSL*	Ethernet/VDSL*	Ethernet	Ethernet
<b>Mechanical</b>	Weight in Air	5.7 lbs.	8.6 lbs.	8.6 lbs.	16.7 lbs.	16.7 lbs.
	Weight in Water	1.4 lbs.	2.9 lbs.	2.9 lbs.	7.9 lbs.	7.9 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.)
	Connector Options	MKS, Burton, SeaNet				
	Size L x W (max OD)	9.6 x 6.9 in.	12.7 x 7.1 in.	12.7 x 7.1 in.	15.8 x 8.0 in.	15.8 x 8.0 in.

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

Specifications subject to change without notice.  
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