VideoRay

Accessory Data Sheet

V Series

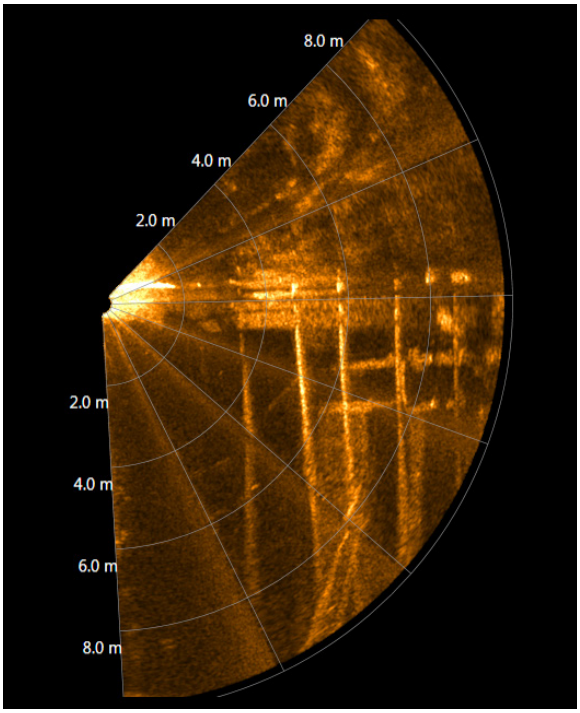
2D Multibeam Dual-Frequency Imaging Sonar

The Teledyne Multibeam Imaging Sonar's 900 kHz/2250 kHz provide the most versatility of any 2D imaging sonar. The 900 kHz offers high-resolution long range navigation, object detection, and obstacle avoidance, while the 2250 kHz provides ultra-high resolution at close range. ROV navigation, hull inspections, structure in-spections, diver monitoring, and search and recovery are a few applications that benefit from the dual-frequency's imaging capabilities.

PRODUCT APPLICATIONS

All V Series sonar operates while in motion, delivering real-time imagery and data.

- ROV navigation
- Object detection
- Target tracking
- Obstacle avoidance
- Operations monitoring
- Equipment/tool placement
- Search and recovery
- Area survey
- Close-range high-resolution object identification



TELEDYNE BlueView
Everywhereyoulook™

V900-2250-130

SONAR

Field of View	130°
Max Range	100 m (328 ft) / 10 m (33 ft)
Optimum Range	2-60 m (6.6-197 ft) / 0.5-m (1.6-23 ft)
Beam Width	1 x 20° (900 kHz) / 1 x 20° (2250 kHz)
Beam Spacing	0.18°
No. of Beams (90, 130 FOV)	768
Range Resolution	1.3 cm (0.54 in) / 0.6 cm (0.25in)
Update Rate*	Up to 25 Hz
Operating Frequency	900k Hz900 kHz / 2250 kHz

INTERFACE

Supply Voltage	12-48 VDC
Max Power Consumption**	2250 kHz - 25.8 W 900 kHz - 20 W
Connectivity	Ethernet

MECHANICAL

Weight in Air (std/deep)	4.3 lbs / 11 lbs
Weight in Water (std/deep)	0.95 lbs / 5.1lbs
Depth rating (std/deep)	305m (1000 ft)
Dimensions*** (LxWxH) (std/deep)	8.6 in x 5.0 in x 5.0 in (4.0 inch can) / 10.2 in x 5.0 in x 5.0 in (5.0 inch can)

* Range-dependent
** Non-VDSL unit at 24 VDC
*** Length does not include connector length

212 East High Street, Pottstown, Pennsylvania, USA | PHONE: +1 (610) 458-3000 | EMAIL: sales@videoray.com | www.videoray.com