

ARIS DEFENDER 3000

See what others can't!

APPLICATIONS:

- ◆ Hull & Berth Inspection
- ◆ Underwater Inspection
- ◆ Search & Recovery
- ◆ Monitor Operations & Divers
- ◆ Construction Monitoring
- ◆ Equipment & Tool Replacement
- ◆ Environmental Monitoring
- ◆ Port & Harbor Security
- ◆ Target Identification & Detection

IDENTIFICATION FREQUENCY:

3.0 MHz
5m Range

DETECTION FREQUENCY:

1.8 MHz
15m Range

DEPTH RATING:

100m



THE NEXT GENERATION IN CLARITY

The ARIS Defender 3000 makes it easy to capture near-video-quality images with simple one-handed operation in the most turbid waters.

Users can find their targets and get the details they need with automatic frequency switching. A mask mounted color display that updates up to 12 frames per second makes real-time work fast, simple and accurate. Battery life up to four hours powers fully autonomous operation, and an optional cable allows simultaneous topside viewing and power input for continuous duty. The ARIS Defender is ideal for teams conducting hull and berth sweeps, search and recovery and underwater inspection. Remove the flotation shell and handle to convert to a 300m depth rated ARIS Explorer 3000, suitable for deployment on ROVs, AUVs, boats, or fixed structures - combining two sonars in one versatile product!



DIDSON Technology

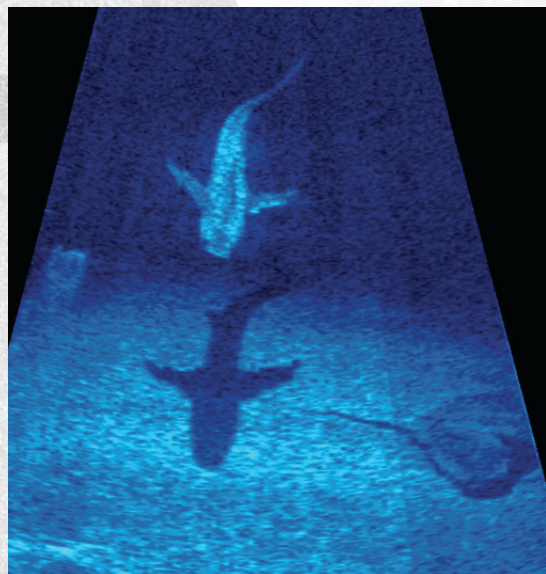
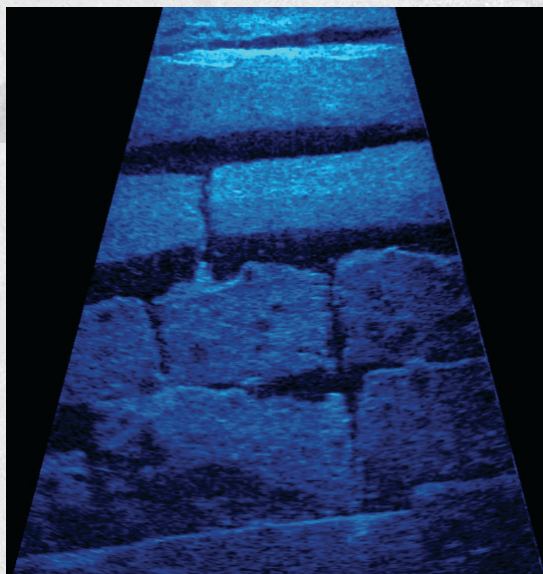
ARIS DEFENDER 3000

FEATURES:

- ◆ Dual Frequency, 3.0 MHz & 1.8 MHz
- ◆ Unprecedented High-Definition Imagery
- ◆ Capable of imaging at close range
- ◆ Dynamic Focus
- ◆ Built in compass & depth gauge
- ◆ Compact & lightweight
- ◆ Up to 4 hour Battery Life
- ◆ Easy Integration
- ◆ Ethernet Interface
- ◆ Windows™ based Software

SPECIFICATIONS:

Number of Transducer Beams	128
Beam Width	0.25°
Field-of-view	30° x 14°
Frame Rate	Up to 12 frames/sec
Range Resolution	Down to 3mm
Power Consumption	22 Watts typical
Weight in Air	11 kg
Weight in Water	Neutral
Dimensions	43 x 24 x 21.5 cm
Cable Length	Up to 150m



See what others can't!

Founded in 2002, Sound Metrics was the first company to introduce a high-frequency imaging sonar to the commercial market. The DIDSON brand of imaging sonars set a new standard for excellence in underwater vision in dark and turbid waters. The subsequent launch of the ARIS Explorer line of high definition imaging sonars in 2012 provided an even higher level of performance. With the ARIS Defender 3000, Sound Metrics once again sets a new standard for product value and flexibility for imaging at close ranges in all types of water.

Sound Metrics strives to offer the most advanced technology along with the best support and most innovative solutions around your applications.



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