

ARIS DEFENDER 3000

SEE WHAT OTHERS CAN'T

APPLICATIONS:

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

IDENTIFICATION FREQUENCY:

3.0 MHz
5 m Range

DETECTION FREQUENCY:

1.8 MHz
15 m Range

DEPTH RATING:
100 m



THE ULTIMATE IN ADAPTABILITY *Two Sonars in One!*

The ARIS Defender 3000 makes it easy to capture quality video-like images with simple one-handed operation in the most turbid waters. This diver-held sonar is ideal for teams conducting hull and berth sweeps, search and recovery missions, and underwater inspection. A mask-mounted color display updates up to 12 frames per second and makes real-time work simple and accurate. Battery life lasts up to four hours and powers fully autonomous operation; the optional Supervisory Kit allows simultaneous topside viewing and power input for continuous duty. Remove the flotation shell and handle to convert the ARIS Defender 3000 into 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

FEATURES:

- ◆ Adaptable 2-in-1 Convertibility
- ◆ Compact & Lightweight
Diver-Held Sonar
- ◆ High-Definition Imagery
- ◆ Capable of Close Range
Imaging
- ◆ Dual Frequency Operation:
3.0 MHz & 1.8 MHz with
Dynamic Focus
- ◆ Ethernet Interface
- ◆ Windows™ Based Software

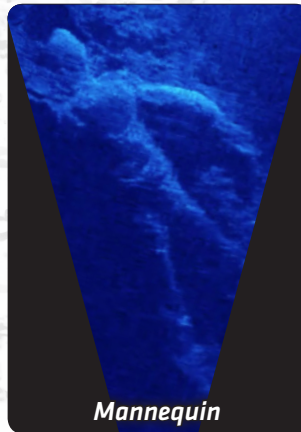
Founded in 2002, Sound Metrics is the first company to introduce a high-frequency imaging sonar to the commercial market. The DIDSON brand of imaging sonars set a new standard for excellence in underwater vision in black and turbid waters. The company recently launched the next generation of DIDSON with the release of ARIS high-resolution and high definition imaging sonars. With the ARIS product range, Sound Metrics once again sets a new standard for imaging at extremely 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.

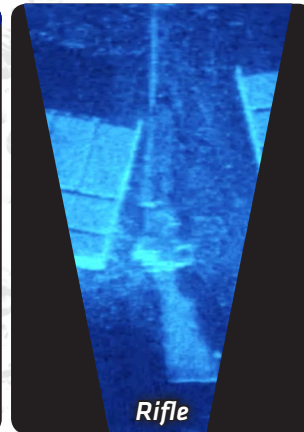
ARIS DEFENDER 3000



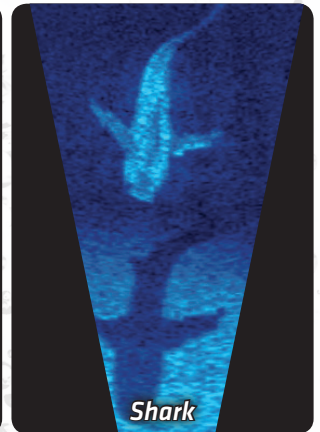
Remove the Floatation Shell from the ARIS Defender 3000 to convert it into a field-ready 300 m depth-rated ARIS Explorer 3000.



Mannequin



Rifle



Shark

SPECIFICATIONS:

Dimensions	43 x 24 x 21.5 cm
Weight in Air	11 kg
Weight in Water	Neutral
Number of Transducer Beams	128 Beams
Beam Width	0.25°
Field of View	30° x 15°
Frame Rate	Up to 12 Frames / Second
Range Resolution	Down to 3 mm
Power Consumption	20 W Typical
Cable Length	Up to 150 m
Provided Power Supply:	
Input	100 - 240 Vac
Output	48 Vdc
Maximum Power	60 W