

# ARIS EXPLORER 1800

*SEE WHAT OTHERS CAN'T*

## APPLICATIONS:

- ◆ Underwater Inspection
- ◆ Monitor Operations & Divers
- ◆ Construction Monitoring
- ◆ Hull & Berth Inspection
- ◆ Target Detection & Identification
- ◆ Environmental Monitoring
- ◆ Port & Harbor Security
- ◆ Search and Recovery
- ◆ Fisheries Management

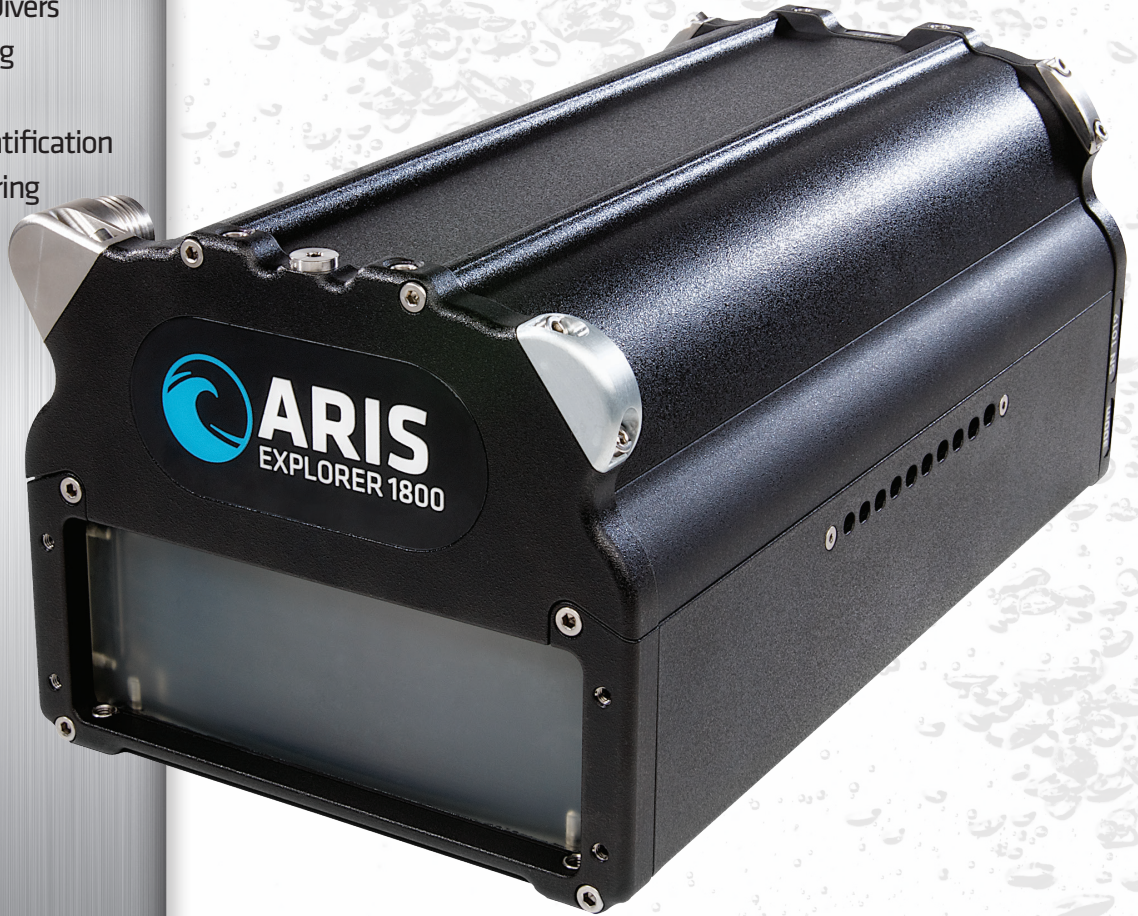
## IDENTIFICATION FREQUENCY:

**1.8 MHz**  
15 m Range

## DETECTION FREQUENCY:

**1.1 MHz**  
35 m Range

DEPTH RATING:  
**300 m**



## THE NEXT GENERATION IN CLARITY

The ARIS Explorer 1800 delivers image clarity that is unmatched by any other sonar in its class. At 1.8 MHz, this imaging sonar provides detail sufficient for thorough inspection. At the lower frequency of 1.1 MHz, the ARIS Explorer 1800's clarity makes it an appropriate tool for detecting targets with high resolution up to 35 meters. The near-video quality images are presented through powerful and innovative software. The ARIS Explorer 1800 is ideally suited for an array of applications; from fisheries management to detecting and inspecting underwater structures and targets. The high resolution of the ARIS makes it an excellent choice for military and law enforcement uses such as hull and berth sweeps, search and rescue, and port security. Teamed with the available ARIS Rotator AR<sub>2</sub>, the sonar can be easily and accurately aimed and allows for pan/tilt or tilt/roll. For more information, visit [www.soundmetrics.com](http://www.soundmetrics.com).



**DIDSON Technology**

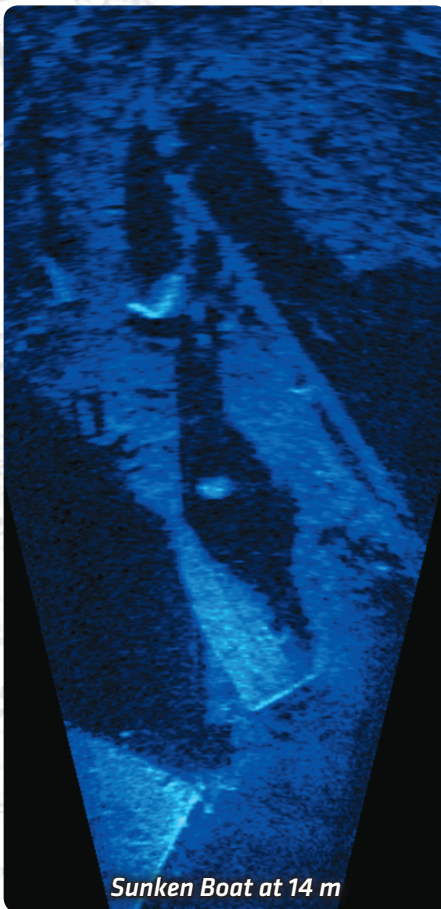
# ARIS EXPLORER 1800

## FEATURES:

- ◆ Dual Frequency Operation:  
1.8 MHz & 1.1 MHz
- ◆ High-Definition Imagery
- ◆ Capable of Close Range Imaging
- ◆ Dynamic Focus
- ◆ Built in Compass & Depth Gauge
- ◆ Compact & Lightweight
- ◆ Low Power Requirement
- ◆ Easy Integration
- ◆ 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.



## SPECIFICATIONS:

<b>Dimensions</b>	31 x 17 x 14 cm
<b>Weight in Air</b>	5.9 kg
<b>Weight in Water</b>	1.06 kg
<b>Number of Transducer Beams</b>	96 Beams
<b>Beam Width</b>	0.3°
<b>Field of View</b>	28° x 14°
<b>Frame Rate</b>	Up to 15 Frames / Second
<b>Range Resolution</b>	Down to 3 mm
<b>Power Consumption</b>	18 W Typical
<b>Cable Length</b>	Up to 150 m
<b>Provided Power Supply:</b>	
<b>Input</b>	100 - 240 Vac
<b>Output</b>	48 Vdc
<b>Maximum Power</b>	60 W



## SOUND METRICS

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SoundMetrics



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Sound Metrics



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