

ARIS EXPLORER 1200

SEE WHAT OTHERS CAN'T

APPLICATIONS:

- ◆ Fisheries Management
- ◆ Target Detection
- ◆ Search and Recovery
- ◆ Environmental Monitoring

IDENTIFICATION FREQUENCY:

1.2 MHz
35 m Range

DETECTION FREQUENCY:

0.7 MHz
80 m Range

DEPTH RATING:
300 m



THE NEXT GENERATION IN CLARITY

The ARIS Explorer 1200 delivers image clarity that is unmatched by any other sonar in its class. At 1.2MHz frequency, the Explorer 1200 provides excellent detail for target acquisition or inspection up to 35 meters. At the available lower frequency of 0.7MHz, the ARIS Explorer 1200 allows target detection up to 80 meters. The near-video quality images are presented through powerful yet innovative software. The ARIS Explorer 1200 is well suited for fisheries management and marine biology research by delivering vital detail even during turbid conditions in real time with multiple time record options. Offering effective background subtraction algorithms to help distinguish between fish and debris, the ARIS is an ideal tool for a variety of fish studies and management tasks. Teamed with the available ARIS Rotator AR2, the sonar can be easily and accurately aimed and allows for pan/tilt or tilt/roll. For more information visit, www.soundmetrics.com.



DIDSON Technology

ARIS EXPLORER 1200

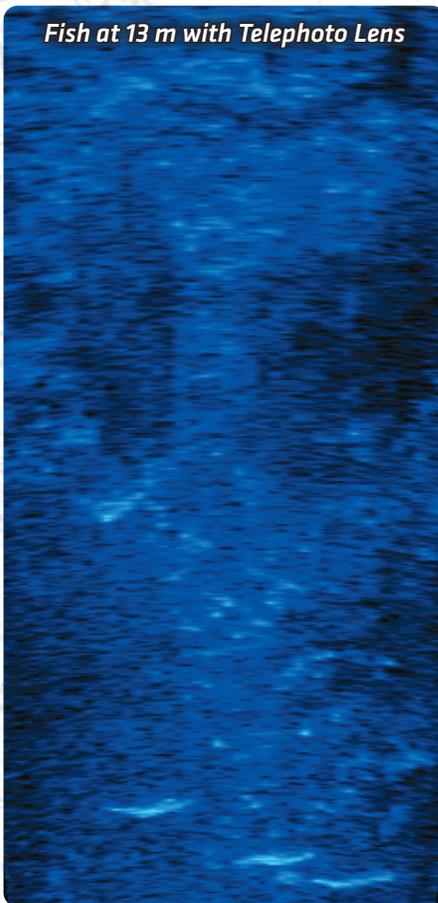
FEATURES:

- ◆ Dual Frequency Operation:
1.2 MHz & 0.7 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

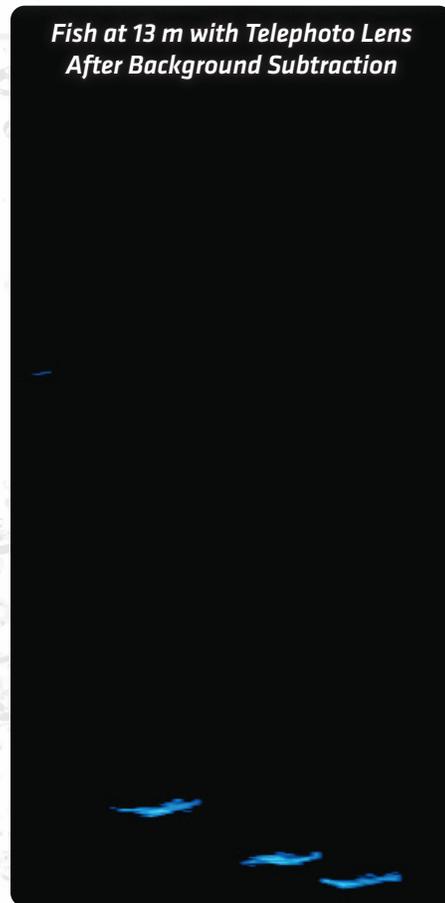
Founded in 2002, Sound Metrics is the first company to introduce a high-frequency imaging sonar to the commercial market. The DIDSON brand of imaging sonars set a new standard for excellence in underwater vision in black and turbid waters. The company recently launched the next generation of DIDSON with 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.

Fish at 13 m with Telephoto Lens



Fish at 13 m with Telephoto Lens After Background Subtraction



SPECIFICATIONS:

Dimensions	31 x 17 x 14 cm
Weight in Air	5.82 kg
Weight in Water	1.48 kg
Number of Transducer Beams	48 Beams
Beam Width	0.6°
Field of View	28° x 14°
Frame Rate	Up to 15 Frames / Second
Range Resolution	Down to 3 mm
Power Consumption	18 W Typical
Cable Length	Up to 150 m
Provided Power Supply:	
Input	100 - 240 Vac
Output	48 Vdc
Maximum Power	70 W



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