



# ARIS Explorer 1200

See What Others Can't

## 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.



ARIS Explorer 1200

## 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**



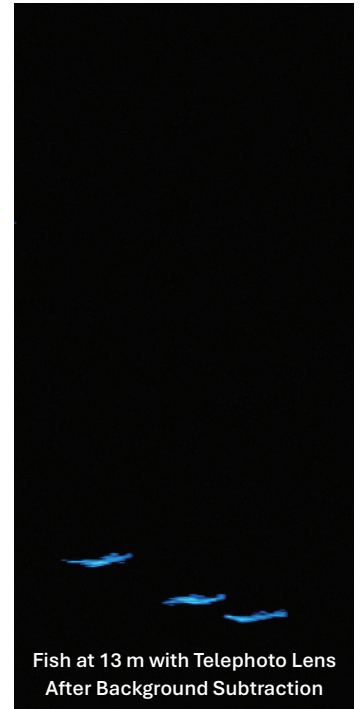
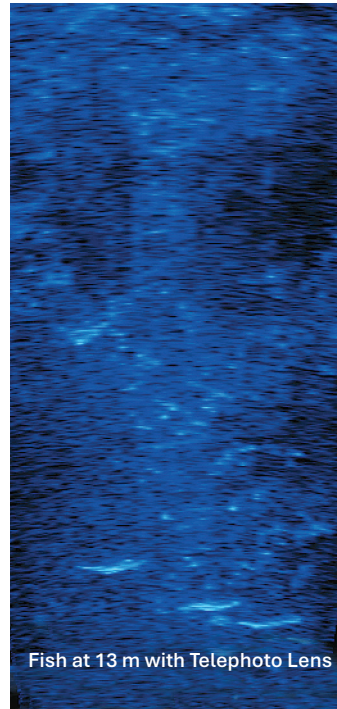
# ARIS Explorer 1200

## TECHNICAL 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                     |

## 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 later 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 for your applications.