



## ARIS Explorer 1200 Specifications

### *Detection Mode*

Operating Frequency	0.7 MHz
Beamwidth (two-way)	0.8° H by 14° V
Source Level (average)	216 dB re 1 $\mu$ Pa at 1 m
Nominal Effective Range	80m @ 15°C water temperature

### *Identification Mode*

Operating Frequency	1.2 MHz
Beamwidth (two-way)	0.6° H by 14° V
Source Level (average)	207 dB re 1 $\mu$ Pa at 1 m
Nominal Effective Range	35m @ 15°C water temperature

### *Both Modes*

Number of beams	48
Beam Spacing	0.6° nominal
Field-of-View	28° horizontal x 14° vertical
Max frame rate	3-15 frames/sec
Minimum Range Start	0.7m
Downrange Resolution	3mm to 29mm
Transmit Pulse Length	4 $\mu$ s to 60 $\mu$ s
Remote Focus	0.7m to infinity
Power Consumption	18 Watts typical
Weight in Air	5.82 kg (12.83 lb)
Weight in Water	1.55 kg (3.42 lb)
Dimensions	31cm x 17cm x 14cm
Depth rating	300m
Data Comm Link	HomePlug                      100BaseT Ethernet
Maximum cable length	150m (500 ft)                      30m (100 ft)

Minimum PC Requirements:                      Windows 7 SP1 or Higher  
100BaseT Wired Ethernet (USB Adapter OK)

Recommended PC Configuration:                      DirectX 11 compatible graphics  
Multi-Core CPU  
8 Gb RAM  
512 Mb Video RAM  
64 Gb Available Hard Disk Space