

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 μ 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 μ 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 μ s to 60 μ 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 standard cable length	150m (500 ft)	3m (10 ft) <i>ROV Integration Whip</i>

Minimum PC Requirements:	Windows 10 or Higher 100BaseT Wired Ethernet (USB Adapter OK)
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Recommended PC Configuration:	DirectX 11 compatible graphics Multi-Core CPU 16 GB RAM 1 GB Video RAM
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