

ARIS Explorer 1800 Specifications

Detection Mode

Operating Frequency	1.1 MHz
Beamwidth (two-way)	0.5° H by 14° V
Source Level (average)	204 dB re 1 μ Pa at 1 m
Nominal Effective Range	35m @ 15°C water temperature

Identification Mode

Operating Frequency	1.8 MHz
Beamwidth (two-way)	0.3° H by 14° V
Source Level (average)	195 dB re 1 μ Pa at 1 m
Nominal Effective Range	15m @ 15°C water temperature

Both Modes

Number of beams	96 or 48	
Beam Spacing	0.3° nominal	
Field-of-View	28° horizontal x 14° vertical	
Max frame rate (96 beams)	3.5-15 frames/sec (7-15 fps using 48 beams)	
Minimum Range Start	0.7m	
Downrange Resolution	3mm to 23mm	
Transmit Pulse Length	4μs to 40μs	
Remote Focus	0.7m to infinity	
Power Consumption	18 Watts typical	
Weight in Air	5.82 kg (12.83 lb)	
Weight in Water	1.48 kg (3.26 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)

Recommended PC Configuration:	DirectX 11 compatible graphics
	Multi-Core CPU
	16 GB RAM
	1 GB Video RAM

