



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	4 μ s to 40 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	1.48 kg (3.26 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