



ARIS Explorer 3000 Specifications

Detection Mode

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

Identification Mode

Operating Frequency	3.0 MHz
Beamwidth (two-way)	0.2° H by 15° V
Source Level (average)	< 195 dB re 1 μ Pa at 1 m
Nominal Effective Range	5m @ 15°C water temperature

Both Modes

Number of beams	128 or 64
Beam Spacing	0.25° nominal
Field-of-View	30° horizontal x 15° vertical
Max frame rate (128 beams)	4-15 frames/sec (8-15 frames/sec using 64 beams)
Minimum Range Start	0.7m
Downrange Resolution	3mm to 19mm
Transmit Pulse Length	4 μ s to 24 μ s
Remote Focus	0.7m to infinity
Power Consumption	18 Watts typical
Weight in Air	5.12 kg (11.0 lb)
Weight in Water	1.55 kg (3.0 lb)
Dimensions	26cm x 16cm 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