

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 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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