ARIS Explorer 3000 Specifications

Detection Mode

Operating Frequency	1.8 MHz
Beamwidth (two-way)	0.3° H by 14° V
Source Level (average)	~200-206 dB re 1 µPa at 1 m (TBD)
Nominal Effective Range	15m

Identification Mode

Operating Frequency	3.0 MHz
Beamwidth (two-way)	0.2° H by 14° V
Source Level (average)	~200-206 dB re 1 µPa at 1 m (TBD)
Nominal Effective Range	5m

Both Modes

Number of beams	128 or 64
Beam Spacing	0.25° nominal
Horizontal Field-of-View	30°
Max frame rate (128 beams)	4-15 frames/sec (8-15 frames/sec w/64 beams)
Minimum Range Start	0.7m
Downrange Resolution	3mm to 10cm
Transmit Pulse Length	4µs to 100µs
Remote Focus	0.7m to max range
Power Consumption	15 Watts typical
Weight in Air	5.12 kg (11.3 lb)
Weight in Water	1.55 kg (3.4 lb)
Dimensions	26cm x 16cm x 14cm
Depth rating	300m
Data Comm Link	100BaseT Ethernet
Maximum cable length (Ethernet)	90 m (300 feet)

Minimum PC Requirements:	Windows 7 SP1 or higher operating system PC Interface: 100BaseT Wired Ethernet
Recommended PC Configuration:	DirectX compatible graphics Multi-core CPU 8 Gb RAM 512 MB Video RAM 64 Gb available hard disk space