



## ARIS Voyager 3000 Specifications

### **Detection Mode**

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

### **Identification Mode**

Operating Frequency	3.0 MHz
Beamwidth (two-way)	0.2° H by 15° V
Source Level (average)	~200-206 dB re 1 $\mu$ Pa 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	4 $\mu$ s to 24 $\mu$ s
Remote Focus	0.7m to max range
Power Consumption	18 Watts typical
Weight in Air	12.2 kg (26.8 lb)
Weight in Water	9.7 kg (21.3 lb)
Dimensions	30cm x 22cm x 17cm
Depth rating	4000m
Data Comm Link	100BaseT HomePlug
Maximum cable length (Ethernet, HomePlug)	90m (300 feet), 150m (500 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