



ARIS Defender 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 μ 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 μ 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 μ s to 24 μ s
Remote Focus	0.7m to max range
Power Consumption	20 Watts typical
Weight in Air	11 kg (24 lb)
Weight in Water	Neutral
Dimensions	43cm x 24cm x 21.5cm
Depth rating	100m
Data Comm Link	100BaseT HomePlug
Maximum cable length (HomePlug)	150 m (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