



## Specifications US3000

### DIDSON 3000m SV

Depth rated to 3000 meters

#### Detection Mode

Operating Frequency	1.1 MHz
Beamwidth (two-way)	0.4° H by 14° V
Number of Beams	48
Beam Spacing	0.6°
(Extended) Window Start	0.83m to 52.3m in 0.83m steps
(Extended) Window Length	5m, 10m, 20m, 40m
Range Bin Size (relative to window length)	10mm, 20mm, 40mm, 80mm
Pulse Length (relative to window length)	18µs, 36µs, 72µs, 144µs

#### Identification Mode

Operating Frequency	1.8 MHz
Beamwidth (two-way)	0.3° H by 14° V
Number of Beams	96
Beam Spacing	0.3°
(Extended) Window Start	0.42m to 26.1m in 0.42m steps
(Extended) Window Length	1.25m, 2.5m, 5m, 10m
Range Bin Size (relative to window length)	2.5mm, 5mm, 10mm, 20mm
Pulse Length (relative to window length)	4.5µs, 9µs, 18µs, 36µs

#### Both Modes

Max Frame Rate (range dependent)	4-21 frames/s
Field-of-view	29°
Remote Focus	1m to Infinity
Control & Data Interface	UDP Ethernet
Aux Display	NTSC Video
Max cable length (100/10BaseT)	61m/152m (200ft/500ft)
Max cable length (twisted pair, Patton Extender)	1220m (4000ft)
Max cable length (fiber optics)	kilometers
Power Consumption	25 Watts typical
Weight in Air	13.2 kg (29.0 lb)
Weight in Sea Water	5.4 kg (12.0 lb)
Dimensions	32.5cm x 22.4cm x 18.4cm
Topside PC Requirements	Windows (XP, Vista, 7), Ethernet
Optional	NTSC video monitor

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