



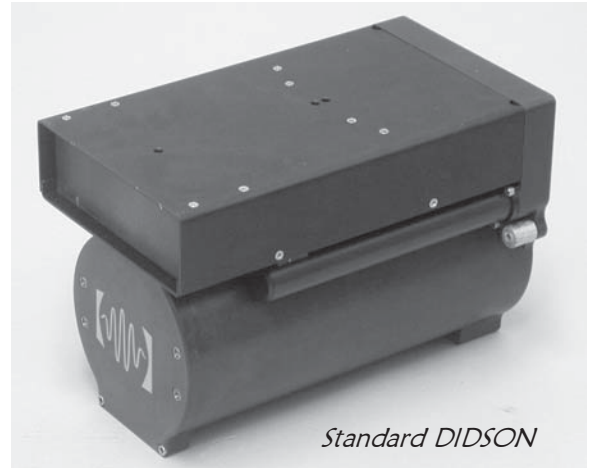
Sound
Metrics
Corp.

Using sound to make sound measurements

DIDSON is a unique high-definition sonar that uses acoustic lenses to make almost-photographic quality images in dark, turbid water where optical systems are ineffective.

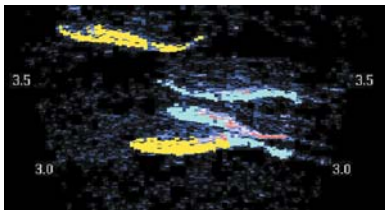
DIDSON

Dual-frequency
IDentification SONar

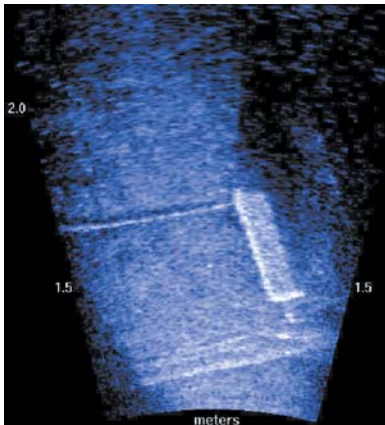


Standard DIDSON

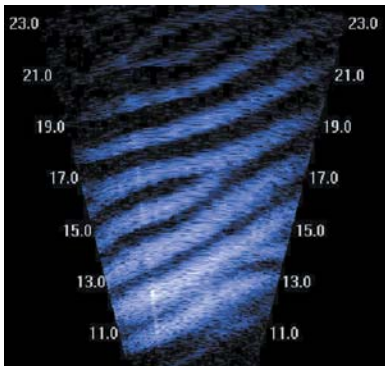
Visit our website: www.soundmetrics.com. Download papers, specifications, a PowerPoint presentation, additional images and 'movies' covering a wide range of applications.



King Salmon



Anode on a hull



Sand ripples

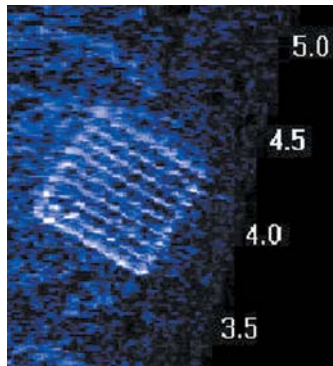
APPLICATIONS:

- Military and Homeland Security
- Hull and Berth Sweeps
- Underwater Surveillance
- Obstacle Avoidance
- Fisheries Management
- Underwater Structure Inspection
- Search and Rescue
- Monitor Particle Dynamics
- Bottom Typing and Environmental Analysis
- Crime Evidence Recovery



Diver-held DIDSON

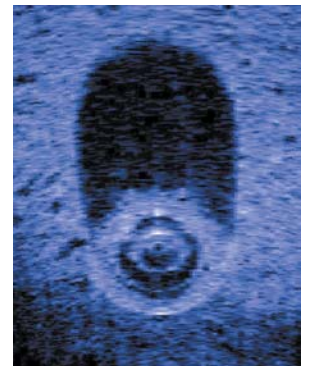
DIDSON applications are limited only by your imagination.



Crab trap



Lake Union wreck



Automobile wheel

Standard DIDSON Specifications

Dimensions: 30.7 cm long by 20.6 cm high by 17.1 cm wide

Weight in air: 7.0 kgs

Weight in water: 0.6 kgs negative

Low Frequency Mode:

Operating Frequency 1.1 MHz

Beamwidth (two-way): 0.5° H by 13° V

Number of Beams: 48

High Frequency Mode

Operating Frequency 1.8 MHz

Beamwidth (two-way): 0.3° H by 13° V

Number of Beams: 96

Both Modes:

Frame rate: 5-20 Frames/s, max-range dependent

Field of view: 29°

Remote focus: 1 m to max range

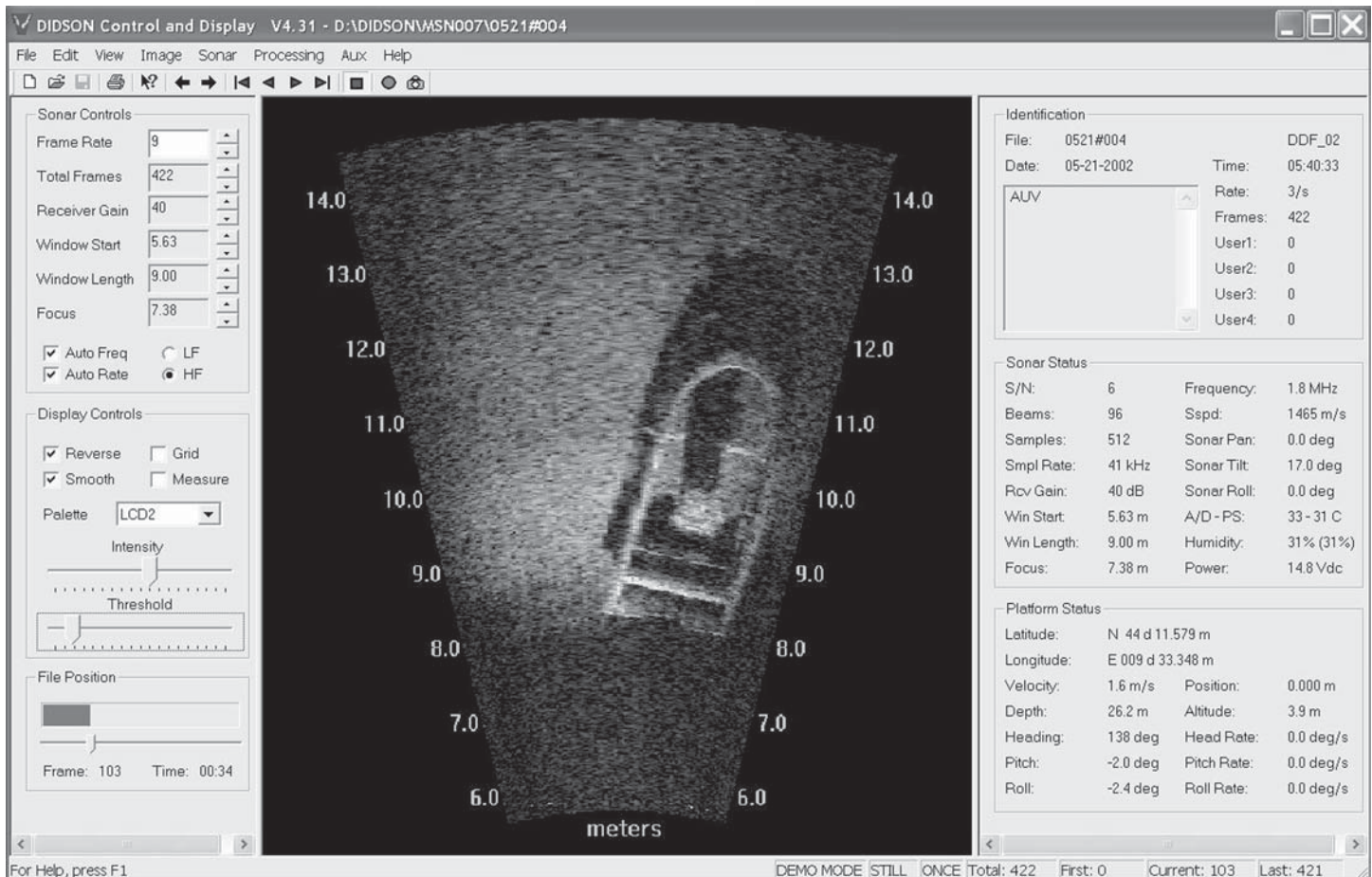
Power Consumption: 30 watts (24 VDC @ 1.25 A)

Control: Ethernet

DIDSON has two body styles (standard or split-body). The split-body DIDSONs are easily integrated into small AUVs or ROVs. Standard DIDSONs mount on larger submersibles, on dams, along riverbanks, below the keels of boats, and can be held by divers. The customer can choose one of two pairs of frequencies for either body style. The 1.1 MHz-1.8 MHz frequencies give the highest resolution and range out to 30 m. The 700 kHz-1.2 MHz frequencies give lower resolution and range out to 90 m. Please see our web site for more details.



Split-body DIDSON



Can DIDSON be a solution for you? For information, rentals, and on-site demonstrations:

Ocean Marine Industries, Inc.

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