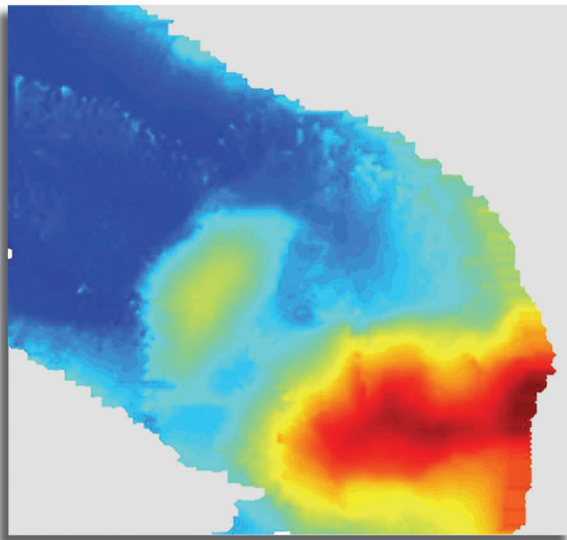


EchoSweep 300

Multibeam Echosounder



- Range up to 280 meters
- Number of Beams 140
- 260 kHz Operating Frequency
- 140° Swath Coverage
- Direct Ethernet Connection from the in-water EchoSweep System to User's Own Computer. No Deck Unit or Rack-mounted Hardware.



LinkQuest's EchoSweep 300 multibeam Echosounder is a high-resolution, highly robust and cost-effective swath bathymetric system for seafloor mapping. The EchoSweep system is a useful tool for hydrographic and bathymetric surveys, underwater inspections, dredging, pipe-line inspection, cable-laying, and many other underwater applications.

The EchoSweep multibeam echosounder maps the seafloor accurately by a sweep of very narrow acoustic beams. It can map the seafloor faster and in more details than a single-beam echosounder, reducing user's survey time and cost significantly.

LinkQuest Inc.

6749 Top Gun Street, San Diego, CA 92121, USA

Tel: (858) 623-9900, 623-9916 Fax: (858) 623-9918

sales@link-quest.com <http://www.link-quest.com>

LinkQuest reserves the right to change specifications without notice.

EchoSweep 300

Multibeam Echosounder

System Performance

Operating Frequency 260 kHz

Maximum Range 280 m

Maximum Swath Coverage 140°

Number of Beams 140 (1° beam spacing)

Along-Track Beamwidth (standard) 3.6°

Along-Track Beamwidth (optional) 1.8°

Minimum Range 0.4 m

Range Resolution 1.5 – 96 mm

Maximum Update Rate 12 Hz

Maximum Operating Depth 80 m

Power

Power Supply Voltage 24 – 30 VDC

Average Power Consumption 10 – 14 Watts

Computer Requirements

Interface 10 Base-T Ethernet

Operating System Windows XP

DRAM 2 Gbytes

Frequency Dual-Core 2.9 GHz

Disk Space 250 Gbytes

Software

EchoSweep Studio Windows software for real-time display, post-processing, off-line analysis, interfacing to GPS, heading and motion sensors, configuration and data conversion.

Housing

Anodized Aluminum Alloy

Option

Mounting Assembly

Weight and Dimension

Dimension 200 mm (diameter) × 261 mm (length)

Weight in air 9.8 kg

Weight in water 3.7 kg

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