SCIENTIFIC ECHOSOUNDERS

BioSonics®

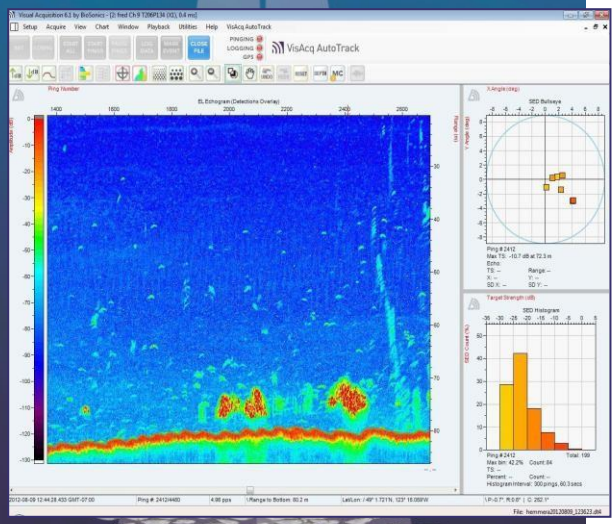
DT-X EXTREME

AUTONOMOUS PORTABLE SCIENTIFIC ECHOSOUNDER



subtop
PARTENAIRE DISTRIBUTEUR
INTÉGRATION VENTE LOCATION
www.subtop.fr
contact@subtop.fr
01 64 55 80 40





Applications

- Mobile surveys to assess fish population, biomass and size distribution
- Fixed-station monitoring at rivers, dams, water intakes
- ASV/USV surveys, surface buoys, and other unmanned or unattended deployments
- Fish passage, entrainment, and migration studies
- Habitat mapping, seagrass, substrate classification and bathymetric surveys

Product Highlights

- Scientific split beam technology
- Operates with or without a PC or Tablet in autonomous mode
- Ultra-rugged IP67 metal connectors
- Log up to 30 days of data
- Programmable wake/sleep function
- Internal DGPS, voltage monitor, and much more!

2356 W COMMODORE WAY UNIT 110, SEATTLE, WA 98199 USA 206.782.2211 INFO@BIOSONICSINC.COM BIOSONICSINC.COM

DT-X EXTREME AUTONOMOUS PORTABLE SCIENTIFIC ECHOSOUNDER

Echosounder Specifications

- Programmable LINUX-based embedded processor
- Wired ETHERNET control
- Real-time depth and speed output via NMEA 0183
- Internal DGPS with optional external interface
- Metal IP67 connectors
- High resolution, full color echogram
- System Noise Floor: Extremely quiet -140dB
- Dynamic Range: Greater than 160dB
- Selectable Ping Rates from 0.01 to 30 pps
- Selectable Pulse Duration: from 0.1 to 1.0 ms
- Split Beam Detection Range: 0.5 to 2,000 meters
- Transmit Power: 1000 Watts RMS
- Input Power: 11-26 VDC or 90-264 VAC
- Power Consumption:
  Active mode: 30 Watts; Sleep mode: <1 Watt
- Weights and Dimensions
  L: 49 cm (19”) W: 39 cm (15”) H: 19 cm (8”); Wt.: 11.4kg (22 lbs.)

Digital Transducer Specifications

- Signal digitization provides improved SNR and overall superior data quality
- Integrated Orientation Sensor included
- Wide range of frequencies:
- 38, 70, 120, 200, 420, & 1000 kHz
- Scientific grade split beam or single beam
- Ultra-Low side lobes to -35 dB
- Network up to 10 separate transducers at various frequencies
- ***NEW*** stainless-steel bulkhead and cable connectors
- Anodized aluminum housings
- Weights and Dimensions:

  200, 400, 1000 kHz
  D: 18 cm (7.2”) H: 17 cm (6.3”) W: 4kg (9.5 lbs.)
  38, 70, 120 kHz
  D: 26 cm (10.3.”) H: 22 cm (8.5”) W: 14-17kg (30-38 lbs.)





BioSonics Data Collection, Data Analysis and Real-Time Reporting Software - INCLUDED!

Visual Acquisition	Echosounder configuration, data acquisition, visualization, storage, and playback
Visual Analyzer	Echo counting and echo integration for fish density and biomass estimation
VisAcq AutoTrack	Real-time processing tool within Visual Acquisition automatically builds and records fish track lists
Visual Aquatic	Visualize, edit, analyze, and quantify fish and marine life, map aquatic plants, bathymetry, and bottom type, all in one post processing software