



DT-X AMS

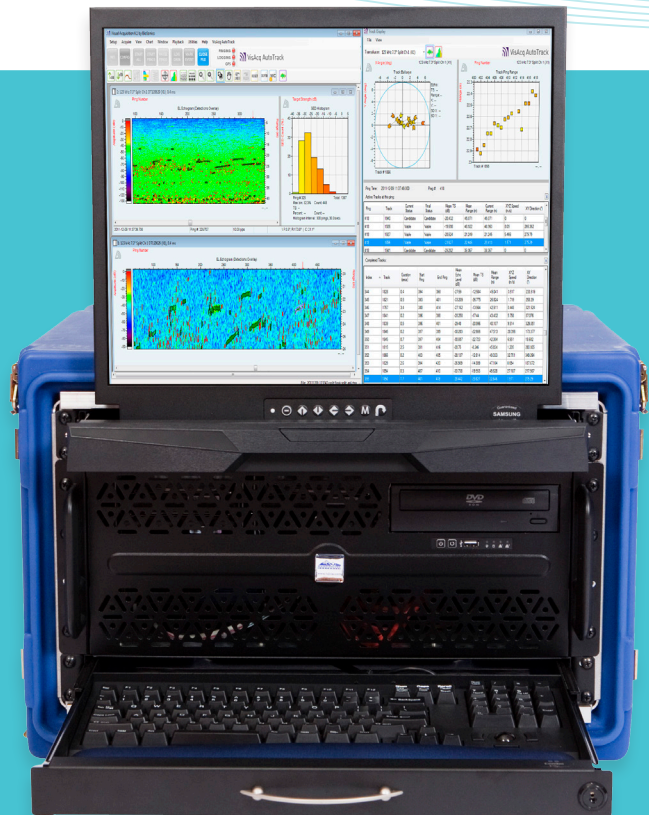
AUTOMATED MONITORING SYSTEMS

Applications

- Quantifying fish passage at hydro dams, water intakes, and other challenging environments
- Long term assessment of marine life abundance, behavior and migratory routes
- 3D target tracking and behavioral studies

Product Highlights

- Determine size, location, speed and direction of travel of every target detected
- Real-time reporting – Reports/alerts provide valuable information to project managers or to actuate a response
- Scientific split beam sonar adapted for fixed-station monitoring applications
- Automation – Data collection and storage functions are completely automated 24/7
- Multiplexing echosounder operates up to 10 transducers from single surface unit
- Rotator integration – Programmable, scanning to increase sampling area and ensure accurate transducer positioning



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Echosounder Specifications

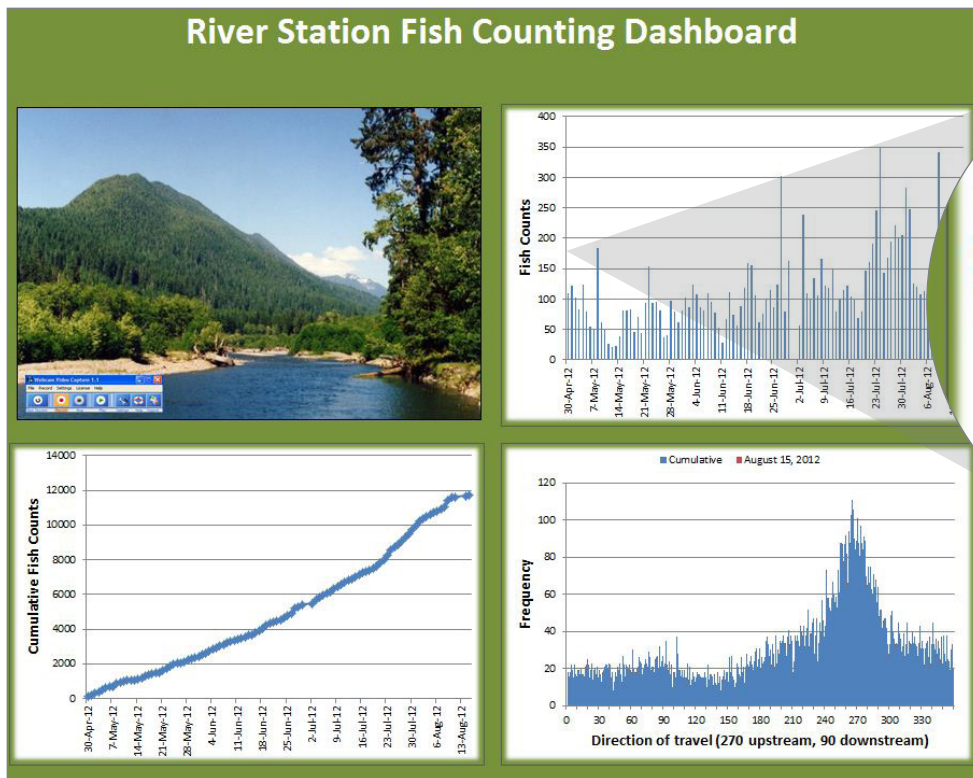
- Fully programmable, multiple transducer, multiplexing configuration
- Military grade connectors
- Self diagnosis and calibration on start-up
- High resolution, full color echogram
- Numerous, user selectable, software controlled configuration, display and data storage options
- Integrated orientation and other external sensor inputs
- Ethernet control, wired or remote wireless
- Integrated orientation sensors
- System Noise Floor: Extremely quiet -140dB
- Dynamic Range: Greater than 160dB
- Selectable Ping Rates: 0.01 to 30 pps
- Selectable Pulse Duration: .01 to 1.0 ms
- Variable Range Settings: > 1000m
- Transmit Power: 100 to 1000 Watts RMS
- Input Power: 11-14 VDC or 90-264 VAC
- Power Consumption: 30 Watts

Transducers

- Range of frequencies in single or split beam: 38, 70, 120, 200, 420, & 1000 kHz
- Ultra-low side lobes to -35 dB
- Heavy duty anodized aluminum, urethane, or stainless steel housings

BioSonics Software

-  **Visual Acquisition:** Data acquisition, visualization, storage and playback
-  **VisAcq AutoTrack:** Real-time processing and automated track lists
- **WATCHDOG** Software
 - Continuously monitors echosounder performance
 - Sends notifications of operational status
 - Eliminates lock-ups & data loss due to down time



Dashboard report delivers daily and cumulative fish counts automatically.