Fusion Splice

Seamless Integration for Sparse LBL

Fusion-Splice is a cutting-edge solution that bridges acoustic and inertial navigation systems for marine survey operations. It delivers real-time integration of Sonardyne LBL ranging data directly into an iXBlue inertial navigation platform—enabling high-precision positioning even when you don't have a complete system suite from one manufacturer.

Designed to be both powerful and cost-efficient, Fusion-Splice works with the gear you already have. Its rack-mount configuration, RS-232 and USB ports, and compatibility across 9,600 to 115,200 bps communication rates mean you can deploy it without reengineering your entire setup. It draws under 5 watts of power and supports standard AC inputs (110-220Vac), so it's easy to add into existing subsea workflows.

With Fusion-Splice, you gain workflow flexibility and major time savings for sparse LBL operations. Whether you're conducting scientific research, commercial survey work, or oil & gas inspection, this product streamlines integration, reduces capital outlay, and enables accurate, reliable positioning—even when full equipment spreads aren't possible.

Enabling efficient, accurate subsea surveys

through seamless data integration.

ZUPT

www.zupt.com

Zupt is a global leader in offshore survey solutions. We develop all core technologies in-house to deliver accurate subsea positioning, modeling, and monitoring for oil and gas, renewables, and marine construction projects worldwide.

Summary:

- Fusion-Splice enables real-time interfacing of Sonardyne LBL (Long BaseLine) ranges into an iXBlue Inertial Navigation System.
- Designed for Sparse LBL operations, i.e. situations where you don't have a full complement of equipment from a single manufacturer. It lets you use the acoustic and inertial systems you already own.
- Saves time & resources by allowing operators to integrate (fuse) equipment they already have rather than buying all new or from one manufacturer.
- Facilitates flexibility in subsea workflows where full LBL spreads may not be available.

Technical Specifications:

- Power Supply: 110Vac-220Vac, <5W
- Communications Ports: Standard DB9 RS-232 ports
- Communication rates: RS-232 at 9,600 - 115,200 bps
- USB Configuration: Type B port
- Size/Form Factor: 2U × 19-inch rack mount