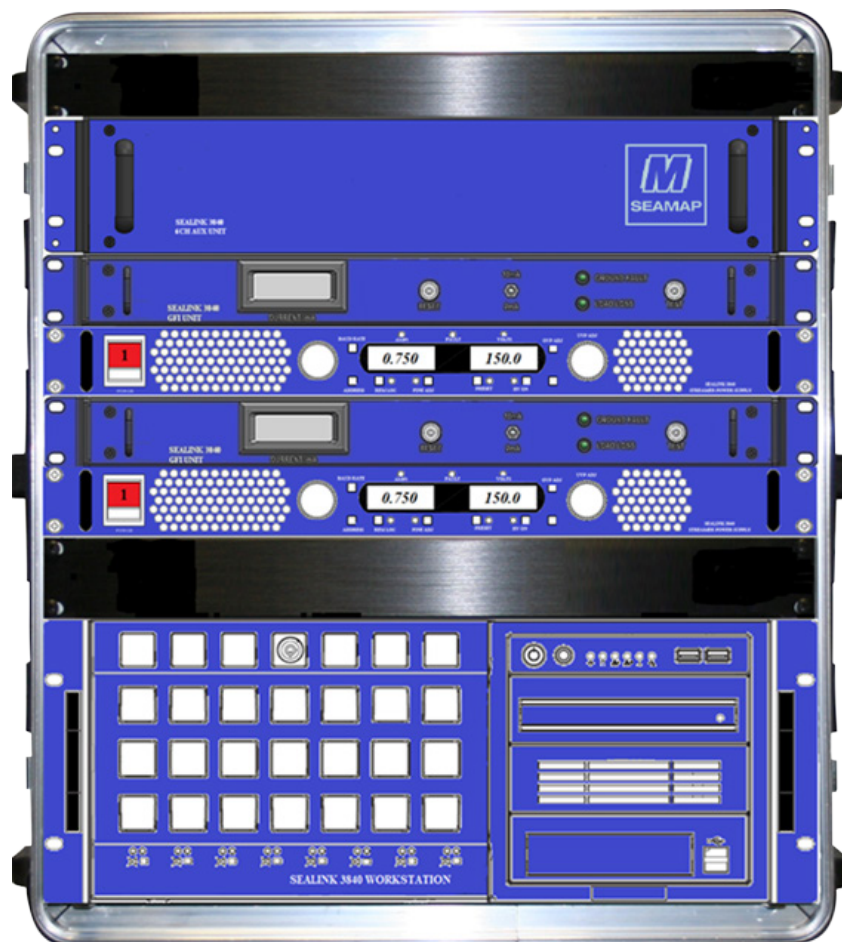




SEAMAP
A MIND Technology Business

SEAMAP SEALINK™ 3840 RECORDING SYSTEM

ADVANCED MARINE SEISMIC DATA ACQUISITION & RECORDING



The SeaLink 3840 Recording System is engineered for high-performance marine seismic acquisition and real-time data recording in demanding offshore environments. Designed for both fixed and portable vessel installations, the SeaLink 3840 delivers reliable, scalable, and efficient operation for modern seismic survey applications including continuous recording.

Built using advanced digital integration and dependable off-the-shelf technology, the system provides exceptional recording capability while remaining easy to maintain, upgrade, and expand as operational requirements evolve.

Data Array Interface (DAI) technology is fully compatible with the SeaLink Solid Streamer, SeaLink 24 Channel Digital Module, SeaLink 24 Channel Auxiliary Box and all other peripheral instrumentation required for with marine seismic.

Integrated data storage devices, printers & plotters along with network interfaces are customer specified.



Key Features:

High-Capacity Real-Time Recording

- 24 to 3,840 seismic channels
- Supports up to 4 streamers per unit
- Sample rates: 0.125 - 4.0 ms
- High-speed Real-Time recording architecture
- Adjacent channel summing

Advanced Recording Performance

- Continuous seismic recording
- Dynamically allocated memory buffers
- Weighted trace summing (2:1, 3:1)
- Optimized for offshore operational efficiency

Reliable & Expandable Architecture

- Commercial off-the-shelf components
- Modular and upgradeable platform design
- Simplified maintenance and future scalability
- Configurable for evolving requirements

Integrated Quality Control

- Online and offline QC tools
- Built-in array simulator
- Test pattern generator
- Array telemetry monitoring
- RMS noise and gain accuracy

Data Flexible Storage

- SSD, RAID, NAS, LAN, Tape, and SCSI storage supported
- Compatible with SEG-D and SEG-Y formats
- Designed for secure, high-volume data management

Applications:

- Marine Seismic Exploration
- 2D Seismic Surveys
- 3D Seismic Surveys
- 4D Seismic Surveys
- Multi-Streamer Acquisition
- Transition Zone Seismic
- Geo-Technical & Geo-Engineering Surveys
- High-Resolution, 2D & 3D Surveys
- Ultra-High-Resolution 2D & 3D Surveys
- Environmental & Hazard Studies
- Passive Seismic Acquisition

Note:

Additional marine seismic applications are available and may be customized to meet specific operational requirements.

Designed for Operational Reliability

The SeaLink 3840 is engineered for dependable performance in harsh marine operating conditions. Available in both onboard rack-mounted and ruggedized portable configurations, the system combines durability, operational flexibility, and ease of serviceability for long-term field deployment.

Seamap's modular architecture ensures compatibility with evolving seismic technologies while minimizing downtime and simplifying future system upgrades.

Specifications:

SeaLink 3840 Workstation	
Operating System	Microsoft Windows 10 Enterprise LTSC
Processor	Intel Core i9 series, 24-core
Memory	64 GB DDR4
Graphics	NVIDIA Quadro T400
Storage	NVMe SSD + SATA SSD
Networking	Dual Gigabit Ethernet
Power Supply	Dual Hot-Swappable 800W

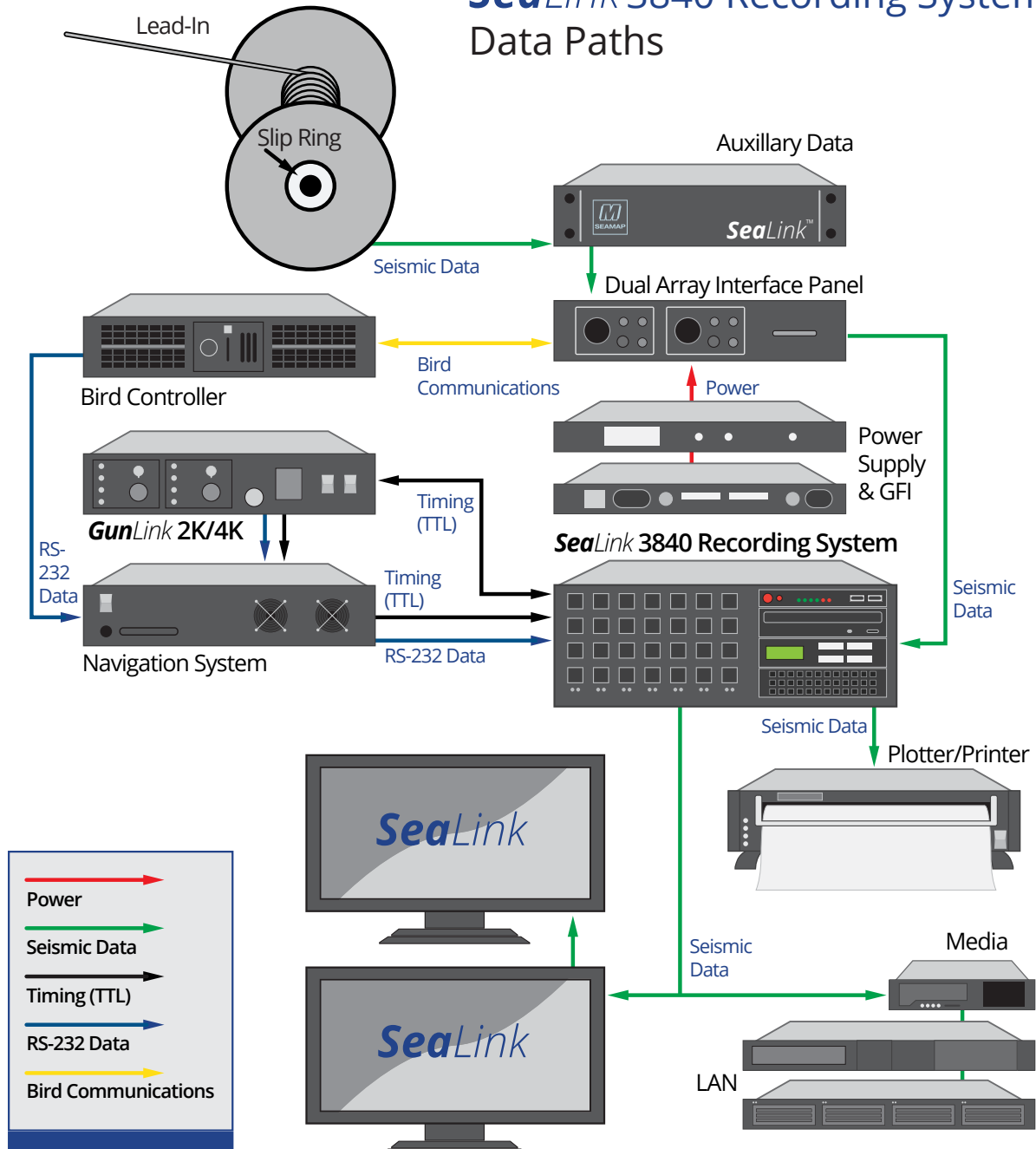
Feature Performance Specifications	
Maximum Arrays	1-4 Standard
Maximum Record Length	75 secs @ 2 ms Samples Rate with 1920 Channels
Sample Rates ms Interval	0.125 ms - 4 ms
Frequency (kHz)	8 kHz - 4 Hz
Recording Mode	Continuous
Storage Formats	SEGD Rev1 8036/8058, SEG-Y
Interfaces	Ethernet, RS-232
Tension Monitoring	Up to 25,000 lbs
QC Functions	RMS Noise, Gain Accuracy, Distortion, Leakage
Service & Support	
All SeaLink workstation upgrades and replacement components must be reviewed and validated by Seamap field-service technicians to ensure system integrity, reliability, and operational performance.	

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SeaLink 3840 Recording System Data Paths



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