SEAMAP
A MIND Technology Business

SEAMAP SEALINK™ 3840 PORTABLE RECORDING SYSTEM

HIGH CHANNEL DATA ACQUISITION

The Seamap SeaLink 3840 Portable Recording System was developed to acquire and record large quantities of data in real-time as either a portable or fixed installation on-board a marine seismic vessel. The SeaLink 3840 is excellent for 2D, 3D, High Resolution, and Ultra High Resolution data recording utilising multiple streamers for seismic surveys.

The SeaLink 3840 Recording System collects 2D and 3D data via the internal Data Array Interface (DAI) cards. The (DAI) integrates perfectly with the SeaLink Solid Streamer and SeaLink 24 Digital Module. The workstation can manage one to four streamers per SeaLink 3840 unit with channel counts from 24 to 240 channels each streamer. The DAI was designed to expand the SeaLink 3840's multi-streamer functionality to more than 1,500 channels at 2mS sample rate (per array) of seismic data. SeaLink supports sample rates of ¼, ½, 1, 2, and 4ms, adjacent channel summing and continuous recording. The DAI / COMM card are the only custom parts needed to interface with the SeaLink 3840. It exceeds all current wet-end capabilities that are available in today's market.

The SeaLink architecture allows for future expansion and growth as technology evolves at increasing speeds. Seamap is committed to be on the cutting edge of the latest technology.

Available:
Integrated Data Storage Devices - Tape, NAS Drive or other customer specified

Applications:

- Geo-Engineering
- Geo-Technical Surveys
- Environmental Studies
- Ultra High Resolution Marine Seismic - 2D / 3D & 4D
- Transition Zone Seismic
- Passive Seismic

Note:
Other marine applications are available with the SeaLink 3840 and may require some modifications.

Key Features:

- Light Weight and Portable Compact Workstation (2U)
- Rack Mounted in a 10U to 12U Shock Mount Transport Case
- Integrated Aux Box - 6 to 12 Auxiliary Channels
- Integrated Power Supply and GFI
- Capacity 24 to 240 Channels Per Array
- Can Manage up to 4 Arrays per Workstation with one DAI
- Efficient Memory (Dynamically Allocated Memory Buffers)
- Virtually Zero “Dead Time” (Continuous Recording)
- Sample Rates of ¼, ½, 1, 2, and 4ms
- Adjacent Channel Summing: 2:1, 3:1
- Online & Offline Quality Control
- Built in Array Simulator and Test Pattern Generator
- Seismic Data Saved to Hard Drive, LAN, or SCSI Device
- Optional: Data Storage LTO’s NAS’s RAD’s

Specifications:

SeaLink 3840 Workstation	
Operating System	Microsoft Windows 7
Processor	Intel Core i5-7500 Processor Quad Core 3.66Ghz
Memory	2 X 8GB DDR-4/2400
Graphics	6GB with Quad display support at 7680X4320@60Hz max resolution
Networking	(2) Gigabit Ethernet ports
Optical Drive	DVD-RW
Storage	(2) 1TB SATA
Power	(2) hot-swappable 800W
Data Array Interface (DAI)	Single board interface to PCI Bus for one to four streamers
Instrument Enclosure (On-Board)	Shock and vibration mounted 4U rack mount
Instrument Enclosure (Portable)	Shock and vibration “ruggedized” 4U rack mount

System Specifications	
Maximum # of arrays (per unit)	Standard 1-4, virtually unlimited with additional DAI’s
Maximum Record Length	75secs @ 2mS Sample 1320Ch.
Time Between Records (seismic data)	Virtually zero dead-time with continuous recording
Weighted Trace Summing	2:1, 3:1
Tape/Data Storage Supported	8mm, 3480, 3490e, 3590, 3592, almost any SCSI media
Tape/Data Storage Format	SEGD Rev1 8036 or 8058 and SEG Y
Tape Copy Function	Available offline
Plotter Interface	VPI (Versatec) or Windows supported printers
Thermal Plotters Supported	iSYS V12/V24 and others
Network Hardware Supported	Ethernet
RS-232 Ports	(5) used for external headers, etc.
Array Telemetry Status	All data lines monitored
Array Tension Display	0-25,000 lbs, also available via UDP
Quality Control (QC) Tests	DC Offset, RMS Noise, Channel Gain Accuracy, Impulse Response Hydrophone Leakage, Harmonic Distortion, Crosstalk
Shot Monitor	Available online or offline

- All SeaLink workstations are upgradeable from one streamer to multi-stream operations.
- All SeaLink workstations are compatible with all standard media storage devices, printers and plotters and networking interfaces.
- All SeaLink workstations are capable for internal system upgrades and replacement components. Please note Seamap requires all upgrades and replacement components to be reviewed and tested by a Seamap field-service technician.
- All SeaLink workstations are customisable upon request.

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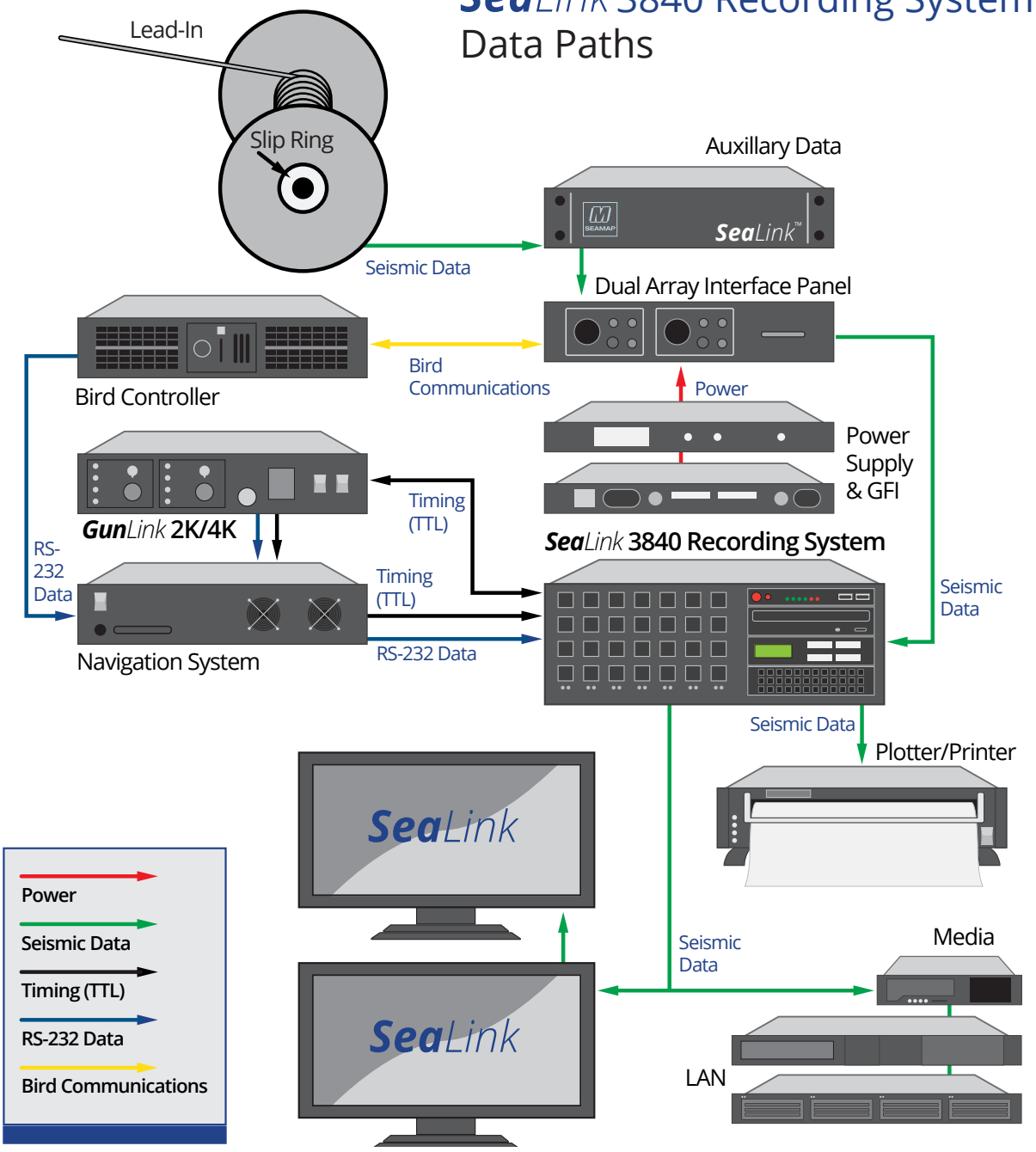
*Sea*Link 3840 Recording System Data Paths



Seamap (U.K.) Ltd.
Unit 34, The Maltings, Charlton Estate
Shepton Mallet, Somerset, BA4 5QE, U.K.
Tel: +44 [0] 1749 342223
Fax: +44 [0] 1749 347588
email: seamapsales@mind-technology.com

Seamap Pte Ltd.
51 Changi North Crescent
Singapore 499626
Tel: +65 6545 1054
Fax: +65 6545 0585

MIND Technology
2002 Timberloch Place, Suite 400
The Woodlands, TX 77380
United States of America
Tel: +1 281-353-4475

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