

The next generation.... Ultra Compact Voyage Data Recorders



NETWAVE NW-4000 SERIES

Fast Track Installation

Auto Configuring

Flexible Modular Design

Compact Flash Data Retrieval

Emergency Save Button

Remote Diagnostics

Service Friendly

(S)VDR & VDR

THE MOST COST EFFECTIVE VDR SOLUTIONS



A new generation of Voyage Data Recorders.... delivering unmatched flexibility, stability and cost-effective performance during installation as well as day-to-day navigation!



By making optimal use of the latest 'state of the art' Microprocessor and Digital Signal Processor technology, all of NetWave VDR systems provide the following benefits;

- Simplified installation due to one single wire *WaveConnect®* cabling between the main units using 'no-solder' Quickcon® hermetically sealed connectors, which allows connections within 10 seconds, requiring no tooling, and achieve long lasting protection!
- Compact and freely configurable data acquisition 'backplane' units, the *WaveNet Interface Modules®*, require less than 30% of the size of earlier generation products, allow for low-cost 'place-anywhere' installation close to the data-source. Wiring is greatly reduced by the unique daisy-chaining capabilities of these system components.
- An unmatched choice of readily available *WaveNet Adaptor Modules®* allow connection to virtually any shipboard data-source including Radar, ECDIS, GPS, AIS, Gyro (Synchro and Stepper). Digital and Analogue inputs eliminate the search and implementation of any third party 'bolt-on' solutions.
- True Multichannel bridge-audio (all with individual canalization) and Radar/ECDIS video recording in ultra-high quality, well exceeding IMO specifications, allow for unmatched in-depth analysis of incidents.
- *WaveCheck®* autonomous 'early warning' fault analysis software secures service parts to be available at the Port of Call, securing un-detained, timely departure in the rare event a service call would be required.
- Anticipating new regulations coming into force in 2007, the *WaveData®* port allows easy access and data retrieval from the VDR system through the Ethernet port provided on the Bridge control unit to any standard notebook PC. The NetWave VDR's already comply with these new 'authority access' requirements via the built-in, readily accessible Ethernet interface.
- *WaveLink®* satellite hook-up facility allows for vessel tracking and analysis of all data acquired by the VDR, as well as automatically generated reports to be sent to shore facilities via email or FTP.
- Optionally Incident Data may be retrieved via the Compact Flash module (NW-4016 Bridge Control Unit only), for remote analysis.



NW-4200
POWER SUPPLY (UPS) AND
DATA SWITCH UNIT

THE MOST COST EFFECTIVE
VDR SOLUTIONS



Every *WaveNet Interface Module*®, includes any combination of Microphone or VHF audio adaptors, Radar Video Adaptors, Serial NMEA, Gyro, Digital or Analogue Adaptors.

All units are daisy chainable and interconnected by one single cable...making NetWave's VDRs the most cost effective to install on the market!



NW-4600 HARDENED STORAGE SERVER

- ✓ Fast Track Installation
- ✓ Auto Configuring
- ✓ Flexible Modular Design
- ✓ Compact Flash Data Retrieval
- ✓ Remote Acces & Diagnostics



NW-4016 BRIDGE CONTROL UNIT WITH COMPACT FLASH

Compact Flash Data Retrieval

WaveData® Port

NW-401x Bridge Control Units

The ultimate solution to user-friendly, easy to understand operation, this unit provides direct function access as well as remote system diagnostics, enabling any crewmember to find his way around without the need for special training...

Mounted within the bridge console, the BCU continuously shows crystal clear unambiguous messages. It may also serve as the installation and configuration unit at commissioning time, and eliminates the need for an external PC at survey or service instances. Performs automatic 'bit-error-rate analysis' at the mandated annual survey.

NetWave NW-4000 Voyage Data Recorder series, with its unique dedicated Digital Signal Processors, provides the solution which addresses initial cost issues, user functionality, reliability as well as ease of installation!

Innovative integration makes it the most Compact system available....

All system components are interconnected with *WaveNet*® single cable technology.



NW-4016 BRIDGE CONTROL UNIT WITH COMPACT FLASH DATA RETRIEVAL



NW-4010 BRIDGE CONTROL UNIT

THE MOST COST EFFECTIVE VDR SOLUTIONS

www.netwavesystems.com

