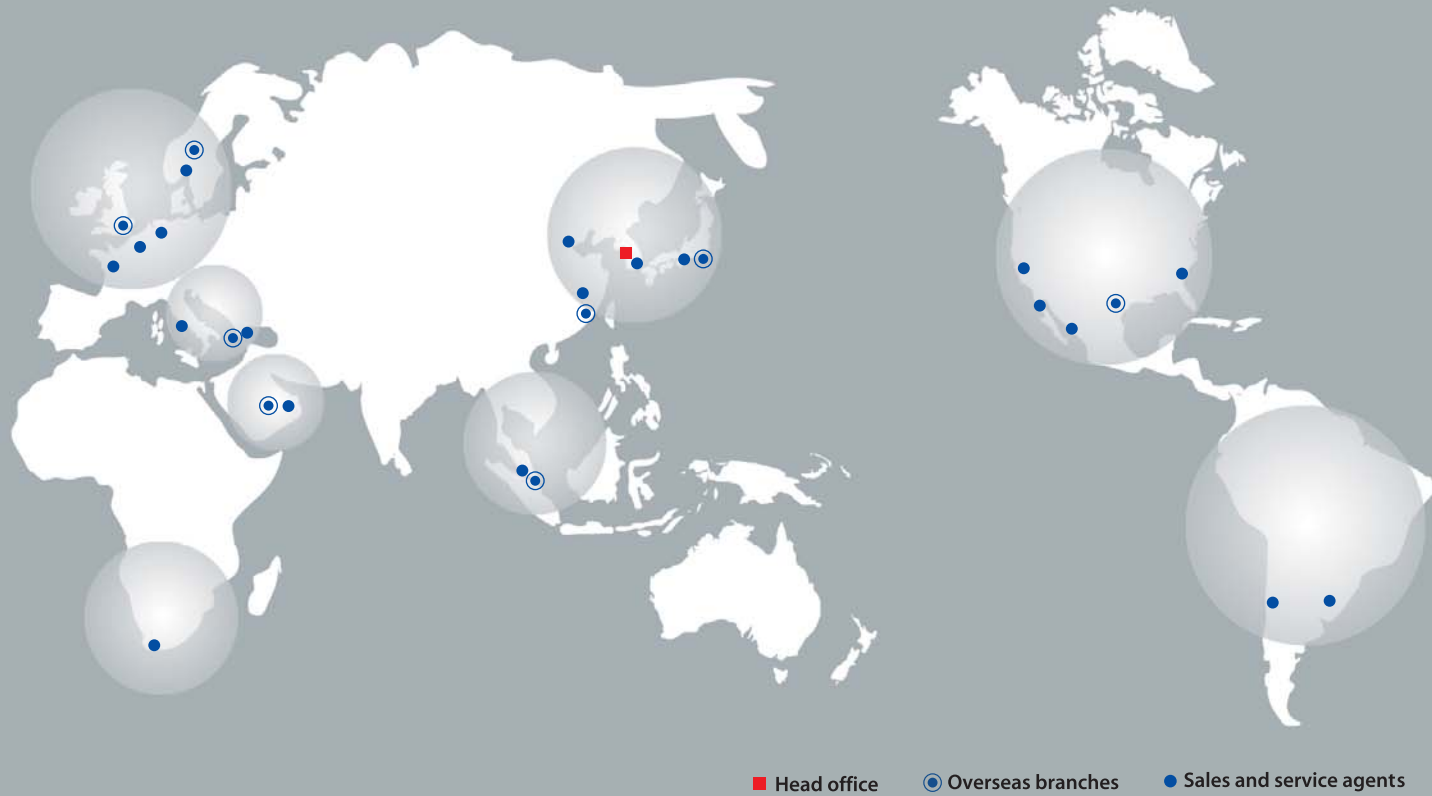


Overseas Network



"We will devote our human resources and technology to create superior products and services, thereby contributing to a better global society."

Technical information in this brochure may be subject to change for better development without notice.(Sep. 2005)

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Stepping towards the leading standard of marine safety

SVDR-Pro
Simplified Voyage Data Recorder



Samsung Simplified VDR

SVDR-Pro is designed and aimed as simplified VDR requested for all existing cargo ships of 3,000 gross tonnage or upward by the IMO. SVDR-Pro meets all technical and environmental requirements set out in the international standard, including system reliability and efficiency.

SVDR-Pro Features...

- **Dedicated design for simplified VDR** is a cost effective solution for ship owners.
- **Compact design and distributed hardware** allow diverse ways of installation for a small space and easy maintenance.
- **The data interface units**, which can be distributed, provide flexible connection with existing equipments.
- **Diagnosis function of the remote operating and monitoring unit** helps to operate and maintain the system with ease.
- **Various data back up service** offers the user the opportunity to obtain more than 12 hours of recorded data.
- **The playback software** enables the user to view and analyze stored nautical data immediately.

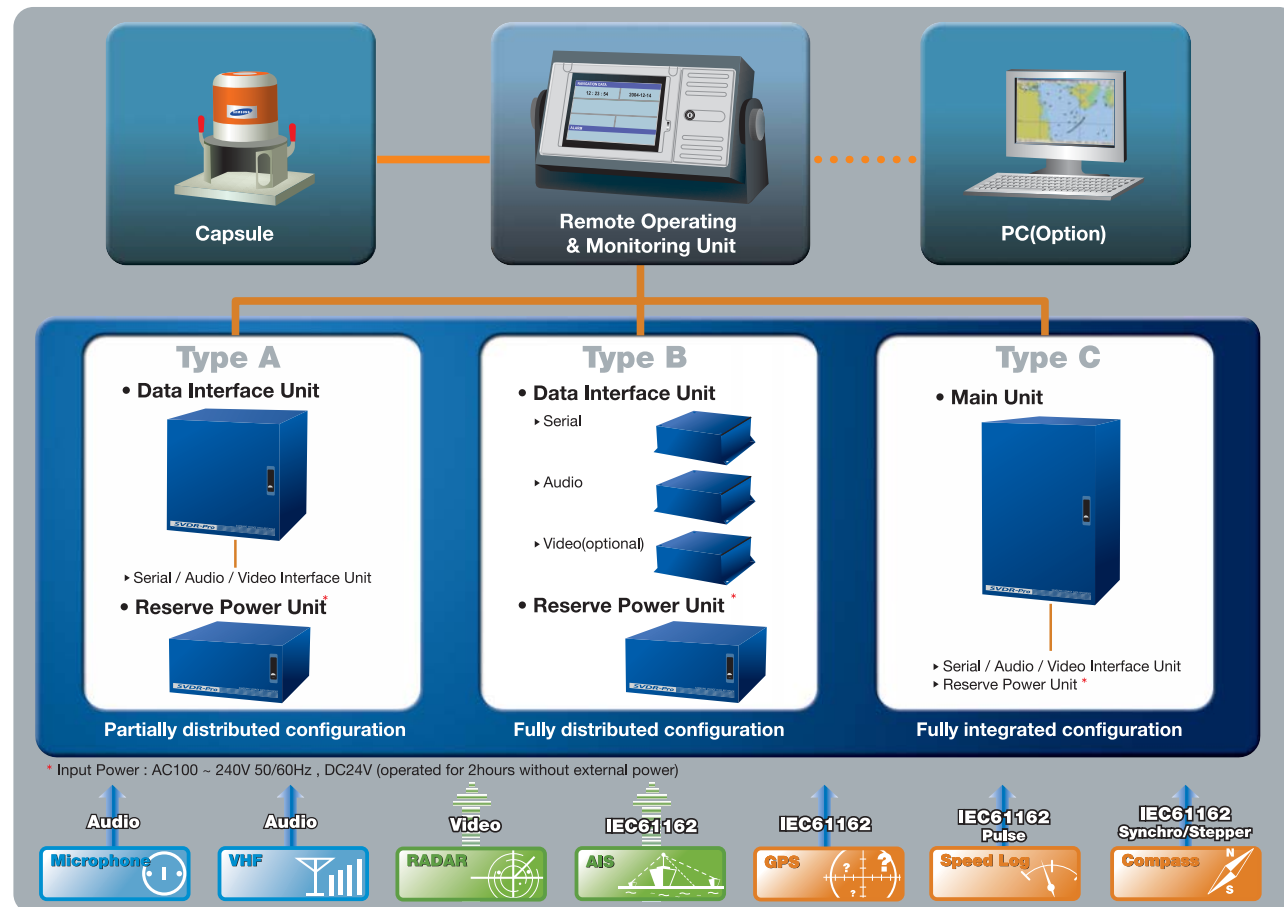
Data to be Recorded

- Date and Time - GPS
- Ship's Position - GPS
- Bridge and Communication Audio - Microphone and VHF
- Other items in accordance with IEC61162
- *Radar Image Data -Radar
(If it is impossible to obtain radar data, AIS target data is recorded.)
- Speed - Speed Log
- Heading - Compass

Rule Requirements for S-VDR

- Carriage Requirements : MSC170(79)
- Performance Standard : MSC163(78)
- Performance Test Procedure : IEC61996
- Environmental Test Procedure : IEC60945

System Configuration



Products

Data Interface Unit

- Modular designed hardware for any place
- Distributed units for various installation types



Audio Interface Unit

Dimension	340(W) x 280(H) x 100(D)
Input	Max. 9 microphones and 3 VHF inputs
Power	DC24V

- Easy configuration of non-standard signals
- Flexible data interface

Serial Interface Unit

Dimension	340(W) x 280(H) x 100(D)
Input	12 Port (Port 1~12) IEC61162-1,-2, 4 Port (Port 13~16) IEC61162-1,-2 /RS232/422/485 Configurable
Power	DC24V

Video Interface Unit

Dimension	340(W) x 280(H) x 100(D)
Input	between 640 x 350 and 1280 x 1024 between 60Hz and 85Hz R, G, B, Hsync, Vsync and composite video signals
Power	DC24V

Remote Operating & Monitoring Unit

- Display of recorded data with graphic description
- Compact design for easy operation and maintenance
- Touch screen and user oriented software
- System diagnosis and flexible data application



Remote Operating & Monitoring Unit

Dimension	330(W) x 200(H) x 120(D) – panel only 350(W) x 215(H) x 120(D) – including gimbals
Display	8" Color LCD(800 x 600)
CPU	1GHz CPU speed
Ethernet	7Port
Flash Memory	Saving Process
Removable HDD	Long-term data backup (optional)
USB Port	2 Ports for user operation
Serial Port	1 Port for alarm printer (optional)

Others

- Microphones for audio data
- Universal interface unit
 - Gyro compass interface : synchro / stepper type
 - Speed log interface : pulse type
- Fixed protective capsule for data storage (Float free type is available)
- USB port and removable HDD for recorded data back-up
- Real time data display & ECDIS based playback software

