

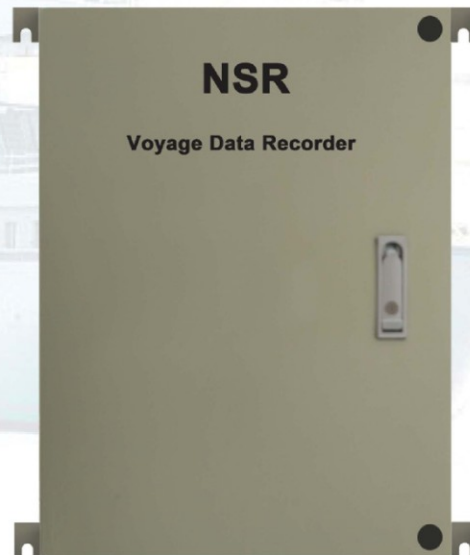
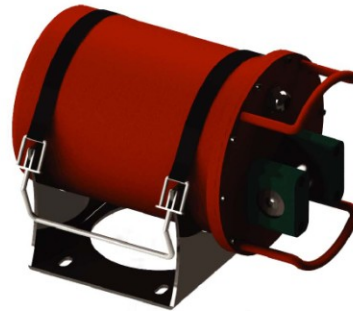
# VDR

Voyage Data Recorder

NSR

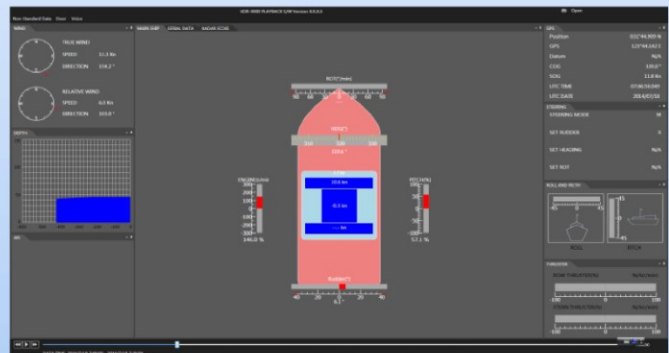
## Model List

NVR-9000	VDR
NVR-9000S	SVDR
NEB-2000C	VDR Float-Free Capsule
NFP-2000C	VDR Fixed Protective Capsule

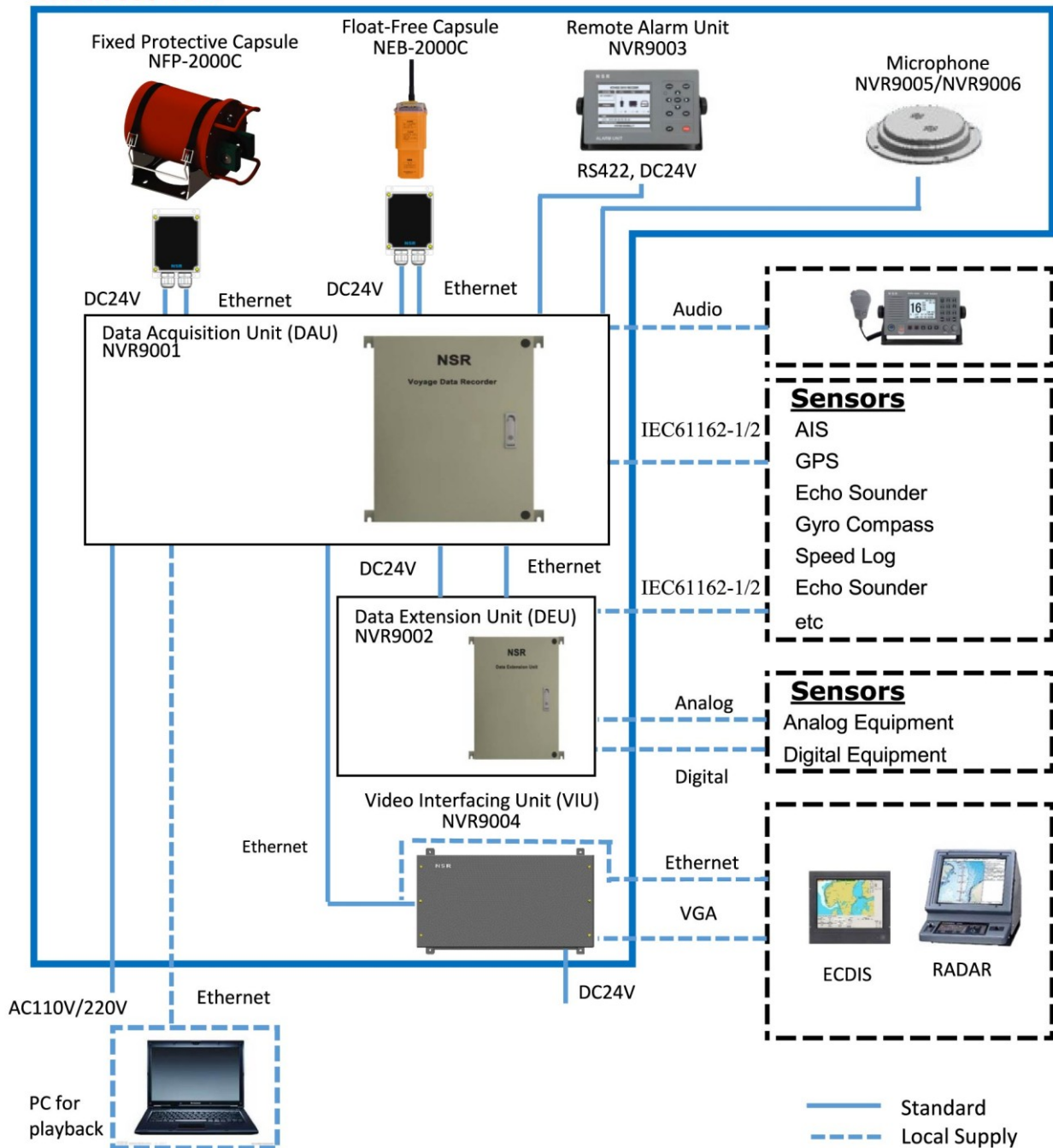


NVR-9000/VDR is designed to comply with latest IMO rule of MSC.333(90).

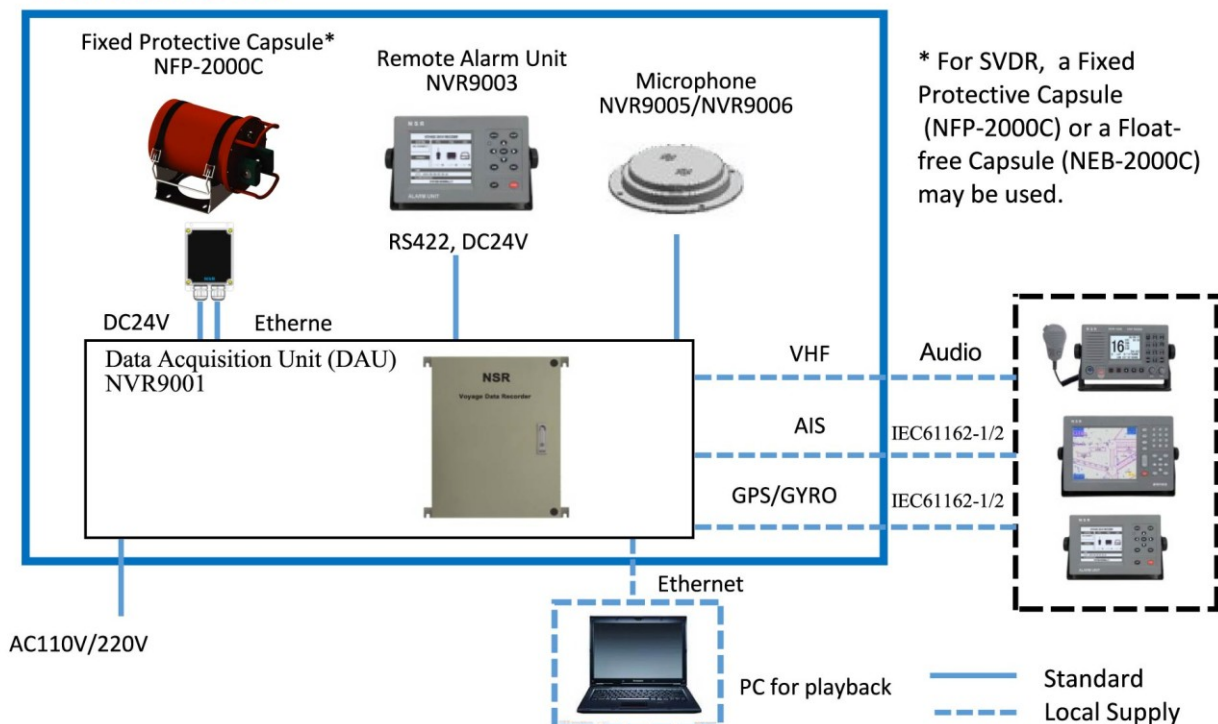
- ◆ Store data for 48 hours in both Float-free Capsule and Fixed Protective Capsule.
- ◆ Store data for 30days/720 hours in Data Acquisition Unit.
- ◆ Record image of two radars and two ECDIS.
- ◆ Three separate channels for audio input:
  - One for up to 4 indoor microphones
  - One for up to 4 outdoor microphones
  - One for 2 VHF audio
- ◆ As standard configuration, below ports provided:
  - Serial port X 24 ch (8 at DAU and 16 at DEU)
  - Digital port X 64 ch
  - Analog port X 8 ch
- ◆ PC software and Phone APP are possible for playback and realtime monitoring.



## NVR-9000 VDR



## NVR-9000S SVDR



## SPECIFICATIONS

Data Acquisition Unit (DAU)	Interface	Ethernet IEC61162-450	2 ch
		Serial IEC61162-1/2	8 ch
		VHF Audio	2 ch
		Microphone	8 ch
		Remote Alarm Unit	1 ch
		USB	1 ch
	DC 24V output	Remote Alarm Unit (RAU)	1 ch
		Fixed Protective Capsule (FPC)	1 ch
		Float-Free Capsule (FFC)	1 ch
Recording Duration (VDR only)		720 hours	
Battery Capacity		2 hours	
Fixed Protective Capsule (FPC)		Memory	64 GB
		Recording Duration	48 hours
Float-Free Capsule (FFC)		Memory	64 GB
		Recording Duration	48 hours
		Battery Capacity	168 hours
		Battery Life	5 years
Data Extension Unit (DEU)	Interface	Analog Input	8 ch
		Digital Input	64 ch
		Serial IEC61162-1/2	16 ch
		Ethernet	1 ch
Video Interface Unit (VIU)	Interface	VGA	1 ch
		Ethernet	1 ch
Remote Alarm Unit (RAU)		Display	5.7 inch

## POWER SUPPLY

Data Acquisition Unit (DAU)	AC100V/220V, 0.5~1.5A, 50/60Hz
Data Extension Unit (DEU)	DC24V, 0.5A
Video Interface Unit (VIU)	DC24V, 0.3A

## EQUIPMENT LIST

Standard		VDR NVR-9000	SVDR NVR-9000S
1	Data Acquisition Unit (DAU)	NVR9001	1 unit
2	Data Extension Unit (DEU)	NVR9002	0~1 unit
3	Remote Alarm Unit (RAU)	NVR9003	1 unit
4	Video Interface Unit (VIU)	NVR9004	0~4 units
5	Indoor Microphone Unit (IMU)	NVR9005	1~8 units
6	Outdoor Microphone Unit (OMU)	NVR9006	
7	Fixed Protective Capsule (FPC)	NFP-2000C	1 unit (FPC or FFC)
8	Float-Free Capsule (FFC) *	NEB-2000C	

\* NEB-2000C is supplied together with a Junction Box (NEB205)

## Option

1	Data Extension Unit (DEU)	NVR9002
2	Video Interface Unit (VIU)	NVR9004
3	Indoor Microphone Unit (IMU)	NVR9005
4	Outdoor Microphone Unit (OMU)	NVR9006

Specifications subject to change without prior notice.

## SIZE & WEIGHT

1	Data Acquisition Unit (DAU)	NVR9001	IP22	15.2 kg	
2	Data Extension Unit (DEU)	NVR9002	IP22	5.2 kg	
3	Remote Alarm Unit (RAU)	NVR9003	IP22	1.6 kg	
4	Video Interface Unit (VIU)	NVR9004	IP20	2.5 kg	
5	Indoor Microphone Unit (IMU)	NVR9005	IP22	0.1 kg	
6	Outdoor Microphone Unit (OMU)	NVR9006	IP56	0.2 kg	
7	Fixed Protective Capsule (FPC)	NFP-2000C	IP56	16.5 kg	
8	Float-Free Capsule (FFC)	NEB-2000C	IP67	3.5 kg	



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