



**VDR**

**Voyage Data Recorder**





## VDR Power Specification

### A. Power supply

Data collector unit  
220 VAC 50-60 Hz  
12-24 VDC 3 A  
Floating-free DRU  
12/24 VDC  
Optional POE  
Fix DRU  
12/24 VDC  
Optional POE

## Relative Humidity Information

### C. Relative Humidity

All units: 95% at 40 C

## Ambient Temperature

### B. Ambient Temperature

DCU: -15 to +55 C  
Fixed DRU; -25 to +55 C  
Floating-free DRU: -15 to +55 C  
Remote Alarm: -15 to +55 C  
Video Lan convertor: -15 to +55 C

## Ingression Protection Specification

### D. Degree of Protection

DCU: IP20  
Fixed DRU: IP65  
Floating-free DRU: IP67  
Remote Alarm Panel: IP22  
Video Lan Convertor: IP22

# Voyage Data Recorder (VDR)

## 1. Data Collector Unit

### Recording Period:

72 to 720 Hours depend on installed DCU SSD

### Interface:

Ethernet: (IEC 61162-450) 15 channels  
Serial: (IEC 61162-1) 3 channels  
Serial: (IEC 61162-2) 3 channels  
Digital Input: optional D2D convertors  
Analog input: Optional A2D Convertors  
Bridge Audio: 2 channels  
VHF Audio: 2 channels  
Remote alarm panel: 1 channel  
12-24 VDC: For Fix DRU  
12-24 VDC: For Float free DRU  
12-24 VDC: For sensor adaptor  
AMS system: 1 CH (ITU-61162-1)  
USB: 1 channel for flash memory

## 2. Fixed Data Recording

Memory: 32 GB  
Recording period: 48 Hours

## 4. Remote Alarm Panel

### Display:

5-inch color display  
800x480  
12-24 VDC  
0-30, +55 working temperature

## 5. Video to Lan Converter

### Interface:

VGA 9 pin connector  
Optional DVI Connector  
Ethernet connector 10/100 FDX

## 6. Sensor Adaptor

### Serial interface:

4 channels (IEC 61162-1)  
2 channels (IEC 61162-2)  
1 Channel Ethernet 10/100 FDX

## 7. Sensor Adaptor

Analog: 3 channel Analog input A2D  
Digital: 4 channel digital input

## 8. Switching unit

Layer 2 Switching  
8 port 10/100 industrial switching unit

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