

UNIGRAF

VDR CAPSULE



Unigraf VDR Capsule is a versatile memory module for a maritime VDR system. Its rugged mechanical construction resists all the stringent requirements set for the final recording medium .

High capacity

The interfacing to the Capsule is straightforward as an Ethernet network file server. The high throughput of the data interface with simultaneous memory reads and writes make the Capsule a good match with high performance VDR systems. The memory capacity of the Capsule is sufficient for 12 hour storing of all required data. The fine granularity of the memory usage helps in saving available storage space.

Efficient

The assembly of the Capsule is easy thanks to the vertical construction and the required small footprint area. The total power consumption of the unit is less than 5 Watts, an important feature for conserving the capacity of the UPS device.

- Final recording medium for maritime VDR
- IMO and IEC compliant
- Ethernet with NFS protocol
- Simultaneous high speed memory reads and writes
- Memory capacity up to 4 Gbytes
- Low power consumption.

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PRELIMINARY SPECIFICATIONS

Mechanical Dimensions

Capsule	
Height	378 mm
Diameter	231 mm (390 mm with handles)
Weight	35 kg
Colour	Fluorescent orange
Mounting Base	
Height	88 mm
Width	262 mm
Length	356 mm
Weight	20 kg

Data Interface

Bus	Auto sensing Ethernet 10/100 Base T
Protocol	NFS
Cable	CAT 5e, armoured
Throughput	Up to 10 Mbytes/min write Up to 60 Mbytes/min read Simultaneous read / write

Power Input

Voltage	18 to 36 VDC
Consumption	5 W maximum
Cable	24 to 14 AWG

Recording Medium

Flash	1.6, 2.0, 3.2, and 4 GB
Granularity	512 bytes minimum

■ Unigraf Oy is an experienced partner for maritime and transportation industry. For several years Unigraf has provided system components for ship automation and monitoring manufacturers. In addition to the VDR Capsule Unigraf's Video Frame Grabbers are successfully used to store radar images in Maritime VDR Systems.

Underwater Acoustic Beacon

SAE 8045 compliant, included

Reliability

MTBF
62 000 h minimum

Environmental

IEC 60945 exposed
IEC 61996
Penetration
250 kg / 100 mm probe
from 3 meters
Fire protection
10 hours at 260°C
1 hour at 1100°C
Impact
IEC 60068-2-27,
50 g, 11 ms, half-sine wave
Immersion
6 000 meters depth in water

Certification

IEC 61996 (pending)

Regulatory Specifications

IMO A. 861 (A20)
IEC 61996
IEC 60945



ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.