

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment (MED) as amended by directive (EU) 2015/559. This Certificate is issued by DNV GL SE based on the notification of the German Federal Ministry of Transport, Building and Urban Development.

This is to certify:

That the Simplified voyage data recorder (S-VDR)

with type designation(s)
NVR-9000S

Issued to

New Sunrise Co.,Ltd.
Suzhou Jiangsu, China

is found to comply with the requirements in the following Regulations/Standards:

Annex A.1, item No. A.1/4.47 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation V/20, IMO Res. A.694(17) and IMO Res. MSC.163(78) & 214(81)

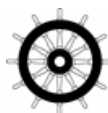
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-09-01**.

Issued at **Hamburg** on **2016-09-02**

DNV GL local station:
Shanghai CMC

Approval Engineer:
Harald Bluhm



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

Product description

1. Data Acquisition Unit (DAU) with one long-term data recording Type: NVR9001
Software version: MCU: 1.xx, DAU: 1.xx, ASU: 1.xx, ACU: 1.xx, LRU: 1.xx
2. Remote Alarm Unit (RAU) Type: NVR9003
Software version: RAU: 1.xx
3. Indoor Microphone Type: NVR9005
4. Outdoor Microphone Type: NVR9006
5. Fixed Protective Capsule (FPC) Type: NFP-2000C
Software version: FPC: 1.xx
with Junction box Type: NEB205
and underwater beacon
6. Video Interface Unit (VIU) Type: NVR9004

Application/Limitation

None

Type Examination documentation

Tests carried out

Applicable tests according to IEC 61996-2 (2007), IEC 60945 (2002) including Corr. 1 (2008), IEC 62288 Ed. 2.0 (2014) and IEC 61162-1 (2010) including Corr. 1 (2013), -2 (1998) and -450 (2011).

Marking of product

According to Article 11 and Annex I of the Council Directive (MED):

- The wheel mark shall be affixed visibly, legibly and indelibly to the product or to its data plate and, where relevant, embedded in its software. Where that is not possible, it shall be affixed to the packaging and to the accompanying documents.
- The wheel mark shall be affixed at the end of the production phase.

For specific products, manufacturers may use an appropriate and reliable form of electronic tag instead of, or in addition to, the wheel mark.