中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
JS22PTB00026

型 式 认 可 证 书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。
This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

无锡新阳升电气有限公司
New Sunrise Co., Ltd.

地址/Address

无锡市高浪东路999号A1楼
Bldg A1, No.999, East Gaolang Road, Wuxi, City

产品名称/Product

船载航行数据记录仪,简易型船载航行数据记录仪
Shipborne Voyage Data Recorder, Simplified Shipborne Voyage Data Recorder
航行数据记录仪（VDR）
Shipborne Voyage Data Recorder

认可标准/Approval Standard

1. 国际海事组织大会决议A.694(17)《作为全球海上遇险和安全系统（遇险和安全系统）组成部分的船载无线电设备和电子助航设备的一般要求》
IMO Resolution A.694(17) General Requirements for Shipborne Radio Equipment Forming Part of the Global Maritime Distress and Safety System (GMDSS) and for Electronic Navigational Aids
2. 国际海事组织海安会MSC.333(90)决议：通过经修订的《船载航行数据记录仪（VDR）性能标准》
IMO Resolution MSC.333(90): Adoption of Revised Performance Standards for Shipborne Voyage Data Records(VDRs)
3. 国际海事组织海安会MSC.163(78)决议:《简易型船载航行数据记录仪性能标准》
IMO Resolution MSC.163(78):Performance Standards for Shipborne Simplified Voyage Data Recorders(S-VDRs)
4. 国际海事组织海安会MSC.214(81)决议：《通过船载航行数据记录仪(VDR)性能标准 (A.861(20)决议)修正案和船载简化航行数据记录仪(S-VDR)性能标准 (MSC.163(78)决议)修正案》
IMO Resolution MSC.214(81):Adoption of Amendments to the Performance Standards for Shipborne Voyage Recorders(VDRs)(Resolution A.861(20)) and Performance Standards for Shipborne Simplified Voyage Recorders(S-VDRs)(Resolution MSC.163(78))
5. 国际海事组织海安会MSC.494(104)决议：《航行记录仪（VDRs）性能标准（MSC.333(90)号决议）修正案》
IMO Resolution MSC.494(104): Adoption of Revised Performance Standards for Shipborne Voyage Data Records(VDRs)
6. IMO MSC.493(104)决议：简易型船载航行数据记录仪（S-VDRs）性能标准 （MSC.163(78)号决议）修正案
IMO Resolution MSC.493(104):Amendments to the Performance Standards for Shipborne Simplified Voyage Recorders(S-VDRs)(Resolution MSC.163(78)), AS Amended

证书有效期至/This Certificate is valid until **2027年02月19日/ Feb. 19,2027**

发证机构 中国船级社江苏分社
Issued by CCS Jiangsu Branch

签发日期 2022年12月20日
Date Dec. 20,2022

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向我社检验机构咨询。
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

Form No: T01. 联系方式/Contact Us，见本社官方网站/See official web site of the Society（http://www.ccs.org.cn）

UTN:P022-71133648

用于/Intended for

船舶与海上设施/Ships and Offshore Installations

产品明细/Product Description

航行数据记录仪（VDR）/Shipborne Voyage Data Recorder(M0001)

名称/Name	属性（值）/Value	单位/Unit
型号/Type	NVR-9000	
软件版本号/Software Version	NVR9000 V1.0	
罗经安全距离/Compass Safe Distance	200	cm
记录时间/Recording Period	720hours(DAU)48hours(FPC/FFC)	
电源/Power Source	AC110V/220V	
系统组成/System Component	详见附页|See additional page	
外壳防护等级/Degree of Protection of Enclosure	详见附页|See additional page	

航行数据记录仪（VDR）/Shipborne Voyage Data Recorder(M0002)

名称/Name	属性（值）/Value	单位/Unit
型号/Type	NVR-9000S	
软件版本号/Software Version	NVR9000 V1.0	
罗经安全距离/Compass Safe Distance	200	cm
记录时间/Recording Period	48hours(FPC/FFC)	
电源/Power Source	AC110V/220V	
系统组成/System Component	详见附页|See additional page	
外壳防护等级/Degree of Protection of Enclosure	详见附页|See additional page	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No.: NP22PPP02205

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No.： A14-047-WT
试验报告日期/ Test Report Date： 2014-10-11
试验单位/ Laboratory: 上海仪器仪表自控系统检验测试所 Shanghai Inspection and Testing Institute of Instruments and Automatic Systems
试验单位地址/ Test Address: 上海漕宝路103号 103 Cao Bao Road, Shanghai

试验报告编号/ Test Report No.： ER/EM2015041
试验报告日期/ Test Report Date： 2015-09-24
试验单位/ Laboratory: 中国船舶工业电工电子设备环境与可靠性试验检测中心 CSIC Industry Environment and Reliability Test Center for Electric and Electronic Equipment
试验单位地址/ Test Address: 扬州南河下26号 26, Nanhexia, Yangzhou

试验报告编号/ Test Report No.： XDsm2015-0673(1/2)
试验报告日期/ Test Report Date： 2015-09-16
试验单位/ Laboratory: 中国计量科学研究院 National Institute of Metrology, China
试验单位地址/ Test Address: 北京市朝阳区北三环东路18号 18, Beisanhuan Dong Road, Chaoyang District, Beijing

试验报告编号/ Test Report No.： S20150027
试验报告日期/ Test Report Date： 2015-08-28
试验单位/ Laboratory: 江苏省电子信息产品质量监督检验研究院 Jiangsu Electronic Information Product Quality Supervision and Inspection Institute
试验单位地址/ Test Address: 无锡市金水路100号 100, Jinshui Road, Wuxi

试验报告编号/ Test Report No.： NSR-NVR9000-TR-02
试验报告日期/ Test Report Date： 2022-07-07
试验单位/ Laboratory: 无锡新阳升电气有限公司 NEW SUNRISE CO., LTD.

试验单位地址/ Test Address: 江苏省无锡市高浪东路999号A1楼 Building A1,No.999,East Gaolang Road, Wuxi, Jiangsu, China

试验报告编号/ Test Report No.： 21/890
试验报告日期/ Test Report Date： 2022-11-07
试验单位/ Laboratory: TC NIIR测试中心 Test Center Radio Research & Development Institute (TC NIIR)
试验单位地址/ Test Address: 16 Kazakova Street, Moscow, Russia, 105064

试验报告编号/ Test Report No.： 潜字第15045号
试验报告日期/ Test Report Date： 2015-08-31
试验单位/ Laboratory: 中国船舶重工集团公司第七0二研究所舰船流体与结构性能检测实验室 Naval Ship Hydrodynamics and Structure Performance Inspection Laboratory, No.702 Institute of China Shipbuilding Industry Corporation
试验单位地址/ Test Address: 江苏省无锡市滨湖区山水东路222号 222, Shanshui East Road, Binhu District, Wuxi

试验报告编号/ Test Report No.： A22-008-ZC-02
试验报告日期/ Test Report Date： 2022-06-21
试验单位/ Laboratory: 上海仪器仪表自控系统检验测试所有限公司 Shanghai Inspection and Testing Institute of Instrument and Automatic Systems Co.,Ltd
试验单位地址/ Test Address: 上海漕宝路103号 103 Cao Bao Road, Shanghai

试验报告编号/ Test Report No.： 船检委字ER2022-033号
试验报告日期/ Test Report Date： 2022-06-25
试验单位/ Laboratory: 中国船舶工业电工电子设备环境与可靠性试验检测中心 China Shipbuilding Industry Environment and Reliability Test Center for Electric and Electronic Equipment
试验单位地址/ Test Address: 扬州市临江路166号 No.166,Linjiang road, Yangzhou

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范认可后应进行产品检验的产品/The product should be inspected in term of the rules:
认可后的产品检验应由本社验船师根据本社规范规定按批准的产品检验计划进行检验，经检验合格后由本社颁发船用产品证书。
After approval, product inspection should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

认可保持条件/ Maintenance Requirements of Approval

1.型式认可后，如果产品及其重要零部件的设计、所用材料或制造方法有所改变，且影响到产品的主要特性、特征；或产品的性能指标有所更改，且超过认可的范围，则有关图纸和文件应经检验机构审批。并在检验机构认为必要时，经本社检验人员见证有关试验和进行检查，其结果应能证实仍符合认可条件。
After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.
2.工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。
The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.
3.认可证书有效期内，如果出现可能导致本社取消认可的情况，工厂应及时采取有效的纠正措施。
Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.
4.在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。
Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.
5.如果属于获得型式认可B 模式证书，且无需颁发船用产品证书/等效证明文件的情况，证书获得者应接受本社每年一次的定期审核，定期审核日为认可证书期满之日对应的每一周年日，检查工作应在周年日的前后三个月内进行。

If belong to the situation of the product has type approval mode B certificate, and marine product certificate/equivalent document is not necessary, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

NEB-2000C-VDR COSPAS-SARSAT 型式认可证书号/NEB-2000C-VDR COSPAS-SARSAT Type Approval Certificate Number:371

本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

本证书由原型式认可证书（No. NJ18T00268_02）变更并换新。
This certificate is modified and renewed from the previous Type Approval Certificate No. NJ18T00268_02.

中国船级社江苏分社
CCS Jiangsu Branch

注：本证书含有附页，共1页
Note: The certificate is attached with additional 1 page(s)

船载航行数据记录仪产品明细

Product Description of Shipborne Voyage Data Recorder (VDR)

序号（No）	部件名称（Name Of Part）	型号(Type)	防护等级（IP）
1	数据采集单元(Data Acquisition Unit)(720 Hours)	NVR9001	IP22
2	数据扩展单元(Data Extension Unit)	NVR9002	IP22
3	远程报警单元(Remote Alarm Unit)	NVR9003	IP22
4	视频接口单元(Video Interface Unit)(选配/Optional)	NVR9004	IP22
5	室内麦克风(Indoor Microphone Unit)	NVR9005	IP22
6	室外麦克风(Outdoor Microphone Unit)	NVR9006	IP56
7	固定式数据存储单元(Fixed Protective Data Recording Capsule)	NFP-2000C	IP68
8	自浮式数据存储单元(Float-Free Data Recording Capsule)	NEB-2000C-VDR	IP2X, IPX7
9	长期数据存储单元(Long-Term Data Recording Capsule)	NVR9001	IP22
10	水下声学信标(Acoustic Underwater Beacon)	NVR9007	IP68
11	存储单元接线盒(Capsule Junction Box)	NEB205	IP22

简易型船载航行数据记录仪产品明细

Product Description of Simplified Shipborne Voyage Data Recorder (S-VDR)

序号（No）	部件名称（Name Of Part）		型号(Type)	防护等级（IP）
1	数据采集单元(Data Acquisition Unit)(720 Hours)		NVR9001	IP22
2	数据扩展单元(Data Extension Unit)		NVR9002	IP22
3	远程报警单元(Remote Alarm Unit)		NVR9003	IP22
4	视频接口单元(Video Interface Unit)(选配/Optional)		NVR9004	IP22
5	室内麦克风(Indoor Microphone Unit)		NVR9005	IP22
6	室外麦克风(Outdoor Microphone Unit)		NVR9006	IP56
7	二选一 alternative	固定式数据存储单元(Fixed Protective Data Recording Capsule)	NFP-2000C	IP68
		自浮式数据存储单元(Float-Free Data Recording Capsule)	NEB-2000C-VDR	IP2X, IPX7
8	长期数据存储单元(Long-Term Data Recording Capsule)		NVR9001	IP22
9	水下声学信标(Acoustic Underwater Beacon)		NVR9007	IP68
10	存储单元接线盒(Capsule Junction Box)		NEB205	IP22