

- Dual functions: Real and Virtual AtoN
- Transmit for up to 50 virtual AtoN
- TX power up to 12.5W, wide coverage
- Very low power consumption
- Compact design, maintenance-free



**NAN-1000**



**NAN-2000**



**NAN-4000**



**NAN-5000**

Model No.	Shape	Output Power	GPS Antenna	VHF Antenna	Power Supply	Estimated Range
NAN-1000	Radome Type	12.5 W	Inside	Inside	12-18 V	5-10 nm
NAN-2000	UFO Type	12.5 W	Inside	Separate	12-18 V	10-20 nm
NAN-4000	Pole Type	4.0 W	Inside	Outside	12-18 V	5-10 nm
NAN-5000	Box Type	12.5 W	Separate	Separate	12-18 V	10-20 nm



## FEATURES

AIS AtoN station is used for light monitoring from AtoN administration. AIS AtoN station's transmission can be received by shipborne AIS to learn the position & status of the AtoN.

As Type I defined by IALA, NAN-X000 is specially designed to be used for buoys, which carries limited batteries to supply any additional electronic equipment. NAN-X000 can be used for below applications:

- AtoN in River or at Sea
- Offshore and oil platform
- Oceanic buoys
- Electronic fence in water
- Offshore wind farm
- Electronic passage by bridge

NAN-X000 is designed to transmit messages both for real and virtual AIS AtoN. For example, NAN-X000 can be used by harbor authority to establish virtual AIS AtoN channel. When shipborne AIS receives those transmissions, a series of AtoN symbols will be displayed on electronic chart.

NAN-X000 conforms to the international standards such as IALA A-126, IEC 62320-2, ITU-R M.1371-5 and IEC60945.

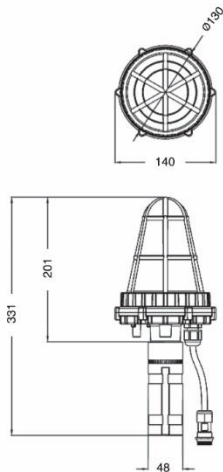
## SPECIFICATIONS

- |                          |   |
|--------------------------|---|
| ● TX Frequencies:        | AIS 1 (CH2087)<br>AIS 2 (CH2088)                |
| ● Communication Mode:    | FATDMA, RATDMA                                  |
| ● Message Type:          | MSG 6, MSG 21 (default)                         |
| ● TX Interval:           | 3~60 minutes (to be configured)                 |
| ● TX Power:              | 12.5 W (NAN-1000/2000/5000)<br>4.0 W (NAN-4000) |
| ● Power Consumption:     | ≤40 mA (12V)                                    |
| ● Interface:             | RS232, NMEA0183                                 |
| ● Operating Temperature: | -15°C~+55°C                                     |
| ● Power Supply:          | Nominal DC 12V (DC 12~18 V)                     |
| ● IP grade:              | IP 66   |

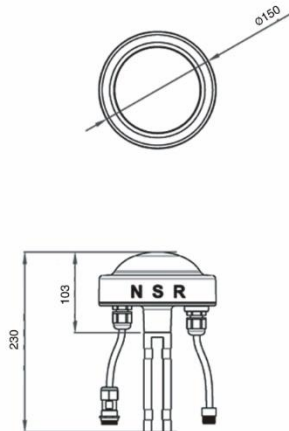


## SIZE DIMENSION

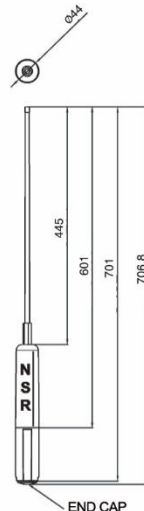
NAN-1000



NAN-2000



NAN-4000



NAN-5000

