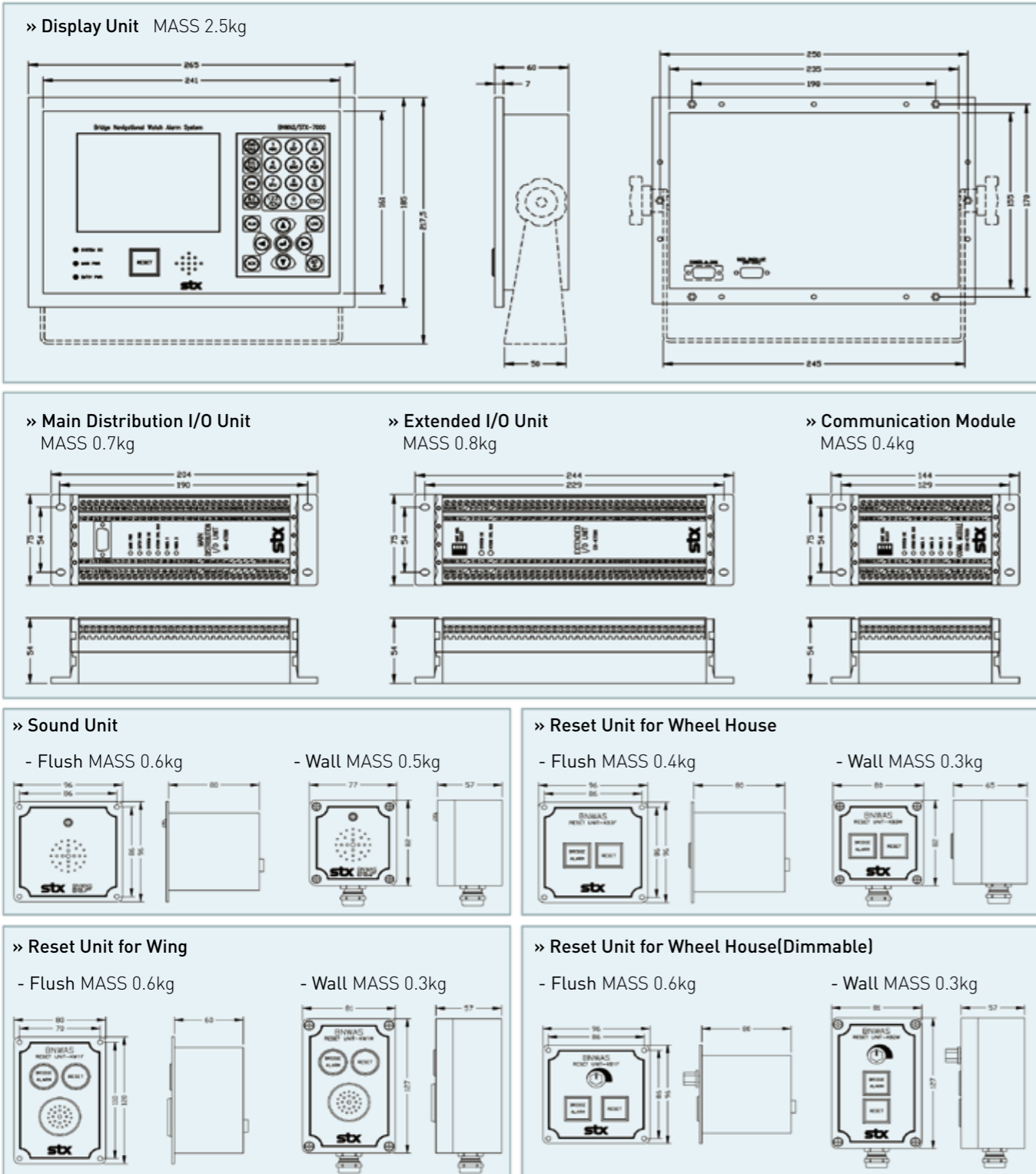


Dimension



STX Engine, Your Dream and Future



# Bridge Navigational Watch Alarm System



BNWAS/STX-7000

## Key Features

The purpose of the BNWAS/STX-7000 is to monitor bridge activity and detect operator disability which could lead to marine accidents. STX-7000 is fully type approved according to IMO resolution MSC.125(75) and BV(Bureau Veritas) rules.

### Flexibility

- Easy to fit any type and size vessel

- Basic Configuration

|                            |       |
|----------------------------|-------|
| Display Unit               | 1 Set |
| Main Distribution I/O Unit | 1 Set |
| Reset Unit                 | 3 Set |
| Sound Unit                 | 7 Set |

- Full Configuration

|                      |             |
|----------------------|-------------|
| Extended I/O Unit    | Max. 4 Set  |
| Communication Module | Max. 2 Set  |
| Reset Unit           | On Demand   |
| Sound Unit           | Max. 25 Set |
| Motion Detector      | On Demand   |
| Power Supply         | DC 24V      |

### Extendability

- Supports sufficient and various channel

- Digital Input(Contact) : Max. 80Ch(incl. mirroring Ch)
- Digital Output(Contact) : 2Ch
- NMEA : Max. 10Ch
- Mirroring Digital Output (Contact) : Max. 16Ch
- Navigational Equipment Remote ACK(Contact)
  - » Input : Max. 16Ch
  - » Output : Max. 16Ch

### Convenience

- Event log backup application
  - Event log can be stored in laptop/PC via RS-232C by backup application
- Mirroring interface channel available
  - STX-7000 provides the connection with VDR through the mirroring interface for navigational equipment. It receives and forwards dry contact signal via the mirroring INPUT & OUTPUT.

## Specification

### • General

|           |  |
|-----------|--|
| Model     | BNWAS/STX-7000   |
| Standards | IMO MSC. 128(75), IEC 62616, IEC 60945, IEC 61162, IEC 62288 |

### • Display Unit

|               |                       |
|---------------|-----------------------|
| Model         | MU-K7000              |
| LCD           | 5.7" TFT-LCD          |
| Pixel         | 320 x 240             |
| Communication | RS-232C(Data Back-up) |

### • Main Distribution I/O Unit

|               |   |
|---------------|---|
| Model         | MU-K7000  |
| Input         | Autopilot, Reset signal, Motion detection signal                                |
| Output        | - Visual / Audible Alarm(Max. 25 Ea)<br>- Relay contact signal for VDR/AMS(2Ch) |
| Communication | NMEA-0183(2Ch)  |

### • Communication Module

|               |                |
|---------------|----------------|
| Model         | ECM-K7000      |
| Connection    | Max. 2 set     |
| Communication | NMEA-0183(4Ch) |

### • Extended I/O Unit

|               |  |
|---------------|--|
| Model         | EIO-K7000  |
| Input         | - Navigational equipment alarm signal(16Ch)<br>- Navigational equipment alarm signal with mirroring (4Ch)<br>- Alarm stop(remote ACK) signal from Navigational equipment (4Ch) |
| Output        | - Mirrored alarm signal to navigational equipment (4Ch)<br>- Buzzer stop(remote ACK) signal to navigational equipment (4Ch)  |
| Communication | Max. 4 set   |

### • Sound Unit

|            |                 |
|------------|-----------------|
| SU-KC1F/1W | Flush/Wall Type |
|------------|-----------------|

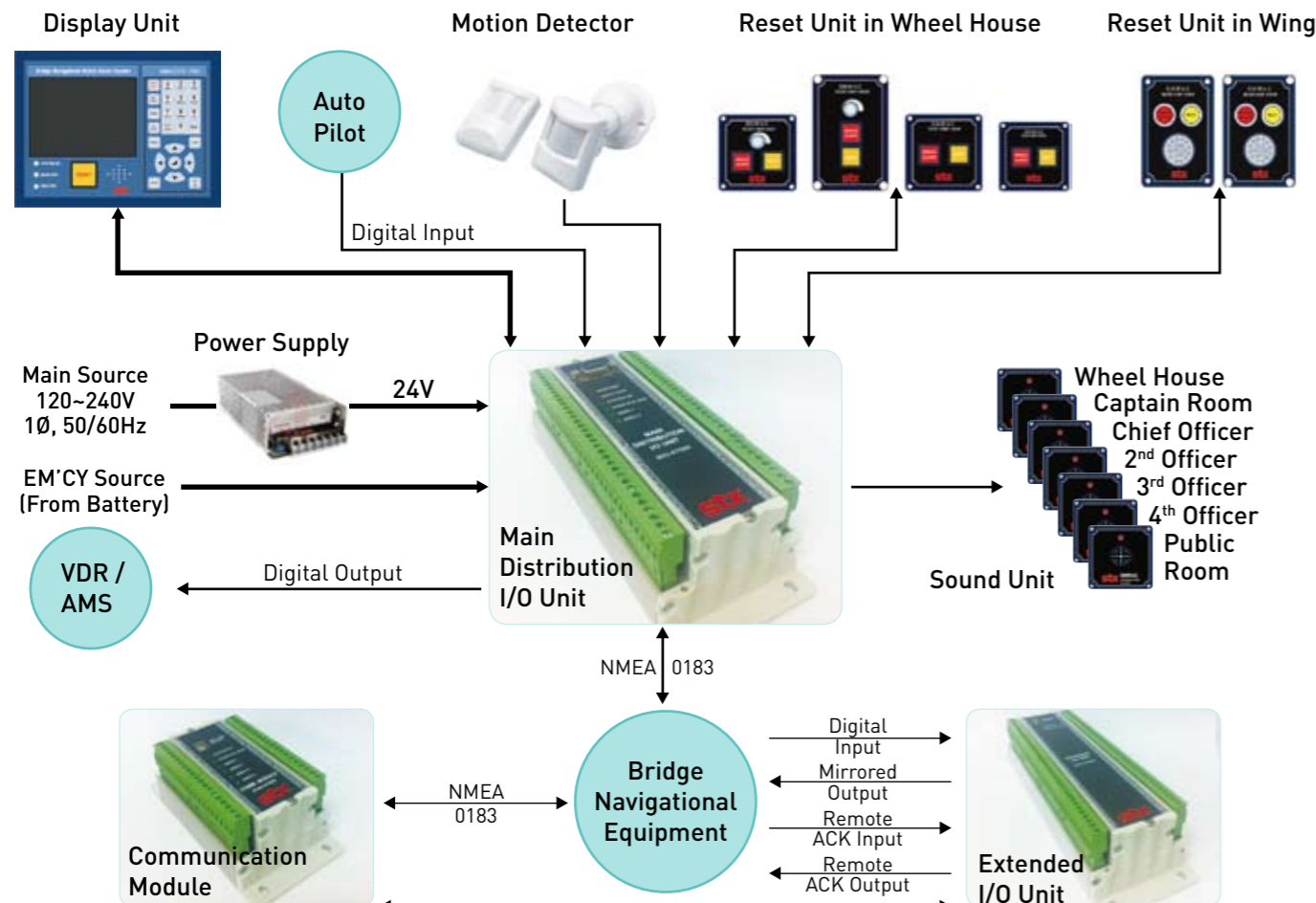
### • Reset Unit

|            |                                  |
|------------|----------------------------------|
| RU-KB3F/3W | Wheel House Flush/Wall           |
| RU-KB1F/2W | Wheel House Flush/Wall, Dimmable |
| RU-KW1F/1W | Bridge Wing Flush/Wall, IP56     |

### • Options

|            |                 |
|------------|-----------------|
| JWS-150-24 | Power Supply    |
| PIS-700    | Motion Detector |

## System Configuration



## Block Diagram

