

- 3.9 Marks Cursor, Range ring, Heading mark, North mark, Bearing mark, Target trail, VRM, EBL, Acquisition zone
- 3.10 Target tracking (TT) Auto or manual acquisition: 100 targets in 24 NM
Auto tracking on all acquired targets,
Tracking: 5/10 pts on all activated targets
Vector time: Off, 30 s, 1-60 min
- 3.11 AIS Display capacity: 350 targets,
Tracking: 5/10 pts on all activated targets
Vector time: Off, 30 s, 1-60 min
- 3.12 Radar map 20,000 pts
- 3.13 Acquisition zone 2 zones
- 3.14 Interswitch function Selectable from menu

4 MONITOR UNIT

- 4.1 Screen type 19-inch color LCD, 1280 x 1024 (SXGA)
- 4.2 Brightness 450 cd/m² typical
- 4.3 Visible distance 1.02 m nominal
- 4.4 Radar effective diameter 282 mm

5 INTERFACE

- 5.1 Number of port (processor unit)
 - Serial 7 ports (IEC61162-1/2: 2 ports, IEC61162-1: 4 ports, AD-10: 1 port)
 - Alarm output 6 ports: contact signal, load current 250mA
(Normal close/ open: 4, System fail: 1, Power fail: 1)
 - DVI output 2 ports: DVI-D, DVI-I or RGB picture data (for VDR)
(RGB resolution 1280x1024 (SXGA), 60.0Hz or
1440x900 (WXGA+), 59.9Hz)
 - LAN 2 ports: Ethernet 100Base-TX
 - RS-232C 1 port: brilliance control
 - Sub display (for ECDIS) 2 ports: HD, BP, Trigger and Video signal
- 5.2 Data sentences (IEC61162-1/2)
 - Input ABK, ACK, ACN, ALR, BWC, BWR, CUR, DBK*¹, DBS*¹, DBT, DDC, DPT, DTM, GGA, GLL, GNS, HBT, HDT*¹, MTW, MWV, OSD, RAQ, RMB, RMC, ROT, RTE, THS, VBW, VDM, VDO, VDR, VHW, VSD, VTG, VWR*¹, VWT*¹, WPL, ZDA
 - Output ABM, ACK, AIQ, ALC, ALF, ALR, ARC, BBM, DDC, EVE, HBT, OSD, RSD, TLB, TTD, TTM, VSD

*¹: for retrofit
- 5.3 Ethernet interface for IEC61162-450
 - Port (LAN2) 100Base-TX, IPv4, 8P8C connector
 - Data sentences Same as 5.2 sentences
 - IEC61162-450 transmission group
 - Input MISC, TGTD, SATD, NAVD, TIME, PROP
 - Output Arbitrary (default: TGTD)
 - Multicast address 239.192.0.1 to 239.192.0.16
 - Destination port 60001 to 60016

Re-transmittable binary image transfer

Multicast address 239.192.0.26 to 239.192.0.30

Destination port 60026 to 60030

Other network function excepted IEC61162-450

SNMP, HTTP, Syslog, Furuno Management Protocol (FMP)

5.4 Output port on antenna unit

Sub display (for radar) 1 port: HD, BP, Trigger and Video signal

6 POWER SUPPLY

6.1 Processor unit (w/ antenna unit)

100-230 VAC: 3.0-1.5 (5.8-2.6) A, 1 phase, 50-60 Hz
(): 42 rpm

6.2 Monitor unit 100-230 VAC: 0.7-0.4 A, 1 phase, 50-60 Hz

6.3 HUB (option) 100-230 VAC: 0.1 A max. 1 phase, 50/60 Hz

6.4 Transformer (RU-1803, option) 440 VAC, 1 phase, 50/60 Hz

6.5 De-icer (option) 100-115/220-230 VAC: 2.6/1.3 A, 1 phase, 50-60 Hz

7 ENVIRONMENTAL CONDITIONS

7.1 Ambient temperature

Antenna unit -25°C to +55°C (storage: -25°C to +70°C)

Indoor units -15°C to +55°C (storage: -20°C to +70°C)

7.2 Relative humidity 95% or less at +40°C

7.3 Degree of protection

Antenna unit IP56

Processor/ monitor unit IP22

Control unit IP20

HUB IP20 (HUB-100), IP22 (HUB-3000)

7.4 Vibration IEC 60945 Ed.4

8 UNIT COLOR

8.1 Antenna unit N9.5

8.2 Processor unit N2.5

8.3 Control/ monitor unit N2.5

8.4 HUB N3.0 (HUB-100), N2.5 (HUB-3000)

8.5 Radar console 2.5GY5/1.5 (standard), 7.5BG7/2, 2.5G7/2, N7.5

9 PERFORMANCE MONITOR (PM-52B)

9.1 Frequency range 3063.75 ±2 MHz

9.2 Input power +5 dBm to +25 dBm

9.3 Output power -52 dBm (1st pulse max. output), -72 dBm (1st pulse min. output)

9.4 Step level 8 to 12 dB (1st pulse to last pulse)