ComNav®

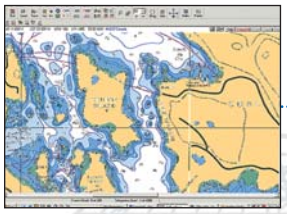
Voyager X3
Class A AIS Transceiver
Automatic Identification System

See and be Seen
Enhanced Security at Sea

- Compact single box design
- NMEA 2000 standard for marine networking (available via software update in late 2010)
- Approval: FCC and USCG standard in USA, Wheel Mark/MED,IEC certified in Canada
- Advanced technological design for enhanced performance & reliability
- Display graphically AIS data target overlay on standard radars and multifunction chart displays
- Wireless exchange — Navigation status between vessels and shore traffic monitoring centers
- Monitor vessels of Class A and Class B over standard VHF data transmissions
- Port traffic management — using Class A and Class B data to identify and control vessel movements
- Transmit safety related messages reducing search and rescue times
- Rotary encoder for quick selection and data entry using two soft keys
- Easily upgradeable through PC software via RS232 — 9 way D type connector
- Built in 16 Channel GPS receiver with antenna
- High contrast mono-chrome LCD for clear presentation of data
- Dual mode Class A/Inland AIS configurable via built-in menu
- International certification to IEC61993-2 and inland waterways standards
- Fully compatible with ComNav Vector G2/G2B GPS Compasses
- 1 Year warranty
- Worldwide service

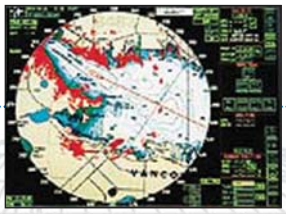
VOYAGER X3

SYSTEM CONFIGURATION & OPTIONS

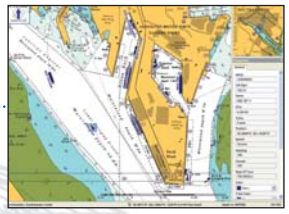


Safety
AIS improves safety on water through enhanced navigation awareness and reduces search and rescue times.

Security
AIS helps to identify and track vessels and improve border security. Improve coast guard response time by transmitting precise navigation data.



Vessel Monitoring
AIS enables automatic control and intruder or vessel movement alerts within designated areas.



Port Vessel Traffic Management
AIS enables port traffic management by using precise tracking and identification data.

SPECIFICATIONS:

Operating Voltage: 12 to 24 VDC
Power Consumption: 10 watts average, 4.75A peak at 12VDC
NMEA0183 Interface: 38.4k baud bi-directional
RS232 Interface: 38.4k baud bi-directional
Operating Temperature: -15°C to +55°C

CONNECTIONS

VHF Antenna connector: SO-239 (UHF)
GPS Antenna connector: TNC
RS232 Data connector: 9 way D type
IEC61162 interfaces & alarm relay:
Via 50 way D-type junction box.
Power connector: LTWBB-04PMMS-LC7001
NMEA 2000 connector: LTWBD-05PMMs-LC7001

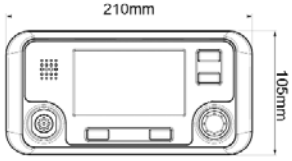
VHF TRANSCEIVER

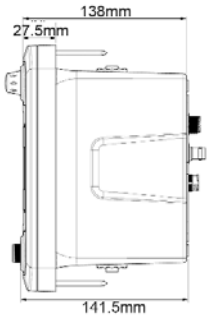
Transmitter: Single
Receivers: Three (two AIS and one DSC channel 70)
Frequency Range: 156.025MHz – 162.025MHz
Channel Bandwidth: 25KHz
Power Output: 41dBm +/- 1.5dB
Modulation: 25KHz GMSK / 25KHz AFSK
Data Rate: 9600 bps GMSK & 1200 bps FSK
RX Sensitivity: <-107dBm @ 20% PER
Compliance: FCC, USCG, Type EU, IEC, CE, RoHs
Standards and Approvals:

CCNR/ZKR Inland AIS Requirements
IEC60945 Edn. 4.0 Environmental requirements
IEC61993-2 Class A Shipborne equipment
IECIEC61162-1/2 Edn.2.0 Digital interfaces
EC61108-1 GPS Receiver equipment
ITU-RM.1371-3 Universal AIS Technical Characteristics
NMEA2000 Standard for marine networking

DIMENSIONS: 210mm x 105mm x 138mm / 8.3" x 4.2" x 5.4" W x H x D

WEIGHT: 1.6kg





ADDITIONAL FEATURES:

- Configuration and set up software
- Data display for MMSI, vessel name, call sign, vessel type, etc.
- Auto configuration for safety related message
- GPS display of position, COG and SOG
- GPS diagnostics
- Key status indicators
- Shows Transponder software and firmware version
- Displays receiver and transmitter statistics
- Displays Class A, Class B, base station and A to N target data
- Real time display for serial data output
- Ability to log data to file

ComNav®

Certified System
ISO 9001

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