DATASHEET

AIS comar SYSTEMS

RECEIVERS

R400N NETWORK AIS RECEIVER WITH ETHERNET OUTPUT

SKU: 001-1042

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FEATURES

- **Industry Grade Dual Channel AIS Receiver**
- **Ideal for land-based monitoring of sea traffic**
- **Comprehensive network capability with Ethernet connectivity**
- **Built-in USB port for local monitoring**
- **Ideal for feeding vessel tracking data to a website or a vessel monitoring server**
- **Rugged plastic housing**
- **Supplied complete with software**

OVERVIEW

The R400N provides a method of monitoring the position, speed and heading of AIS vessels within VHF range. It can decode of Class A, Class B, Aids to Navigation, SARTS and all other AIS message types. When connected to a PC using the industry standard RJ45 Ethernet connector, the R400N enables AIS data to be viewed directly, or shared on a local network. The unit can also be mounted at a remote location and AIS data sent via the Internet to a fixed IP address for use on a dedicated server.

The R400N has been specifically designed for use by the professional market and uses Comar's well proven and internationally specified high sensitivity dual channel parallel receiver.

APPLICATIONS

- For shoreside monitoring of shipping by Government bodies
- Managing traffic at local port approaches
- Assisting in Search and Rescue operations
- Locating ships for local tug/supply operators
- Analysing shipping in specific areas
- Monitoring fishing zones
- Feeding data to AIS vessel tracking websites

RELATED PRODUCTS

R400NG - Network AIS receiver with Ethernet & GPS

R500Ni - Intelligent Network AIS receiver with WIFI

R500NGi - Intelligent Network AIS receiver with WIFI & GPS

AV200 - Base Station Antenna with Ground Plane

AV300 - Fibreglass VHF Antenna

AV400 - Commercial Antenna for AIS

SEE, BE SEEN, BE SAFE AT SEA

SPECIFICATIONS

PHYSICAL

Weight:	350g
Dimensions:	L 132 mm W 106 mm D 46 mm
Mounting:	To flat surface with case brackets
Connections:	RJ45 Ethernet 10 / 100 Base-T; USB 2.0 type B socket; BNC Coaxial to antenna
Construction:	Plastic housing
Finish:	Black plastic, textured

ELECTRICAL

Power Supply:	12 V dc 3 W nominal (9-30 V dc)
Antenna Impedance:	50 Ω
Network protocols:	TCP/IP, UDP/IP, ARP, ICMP, TFTP, TELNET, DHCP, BOOTP, HTTP and AUTOIP
Data Output:	NMEA 0183; 38,400 Baud; VDM output message

OPERATIONAL

Frequency	Channel A 161.975 MHz Channel B 162.025 MHz
Sensitivity:	< -112 dBM
Display:	3 Indicator LEDs (Ch A; Ch B; ON)
Data Types Received:	Name of Vessel; MMSI Number; Position; Speed (SOG); Course (COG); Type of Vessel; Call Sign; Heading; Rate of Turn; Navigational Status; Vessel Dimensions; Destination

ENVIRONMENTAL

IP Rating:	IP40
Operating temp:	-15°C to +55°C
Compass:	Safe Distance 50 cm

APPROVALS

Conforms with:	IEC 61993-2; IEC 60945; EN 61000-6-1 & 2; FCC part 15

ADDITIONAL

Supplied:	R400N receiver
Supplied:	Universal 100-250 V ac to 12 V dc Power Supply
Supplied:	Installation manual
Supplied:	Network configuration program
Supplied:	Ethernet to com port utility
Supplied:	AIS viewing program
Supplied:	USB to virtual com port utility
Supplied:	PL259 to BNC antenna adaptor
Supplied:	2 m Ethernet cable