



ProTec AIS Base Station

The L-3 ProTec Automatic Identification System (AIS) Base Station is a vessel traffic monitoring tool which provides shoreside facilities with a means for monitoring vessel movements through VHF Data Link (VDL) to shipboard AIS Transponders. The ProTec Base Station is fully compliant with IMO requirements for AIS and IALA recommendations for AIS shore stations and provides for both tracking of and communicating with AIS-equipped vessels within VHF range of the tower site.



The ProTec AIS Base Station will allow the shore station to:

- Identify and Track AIS-equipped Vessels
- Monitor and Record Vessel Maneuvers
- Deliver Safety Text Messages in Either Broadcast or Addressed Mode
- Deliver Channel Management Commands
- Rebroadcast AIS Data With Base Station Repeater Option



communications

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AIS BASE STATION

The ProTec AIS Base Station is a rackmountable module which contains all the components required for AIS functionality in a single, compact chassis. The base station chassis includes the following:

- 1 VHF Transmitter
- 2 SOTDMA Receivers
- 1 DSC Receiver
- 1 AC/DC Power Converter
- 1 Controller
- RS422 Interface Ports
- RS232 Interface Ports
- Ethernet Port

The ProTec Base Station can be supplied as a turnkey rack system with the following optional packages:

- Simplex or Duplex Repeating
- Redundant Duplication ("Hot Spare")
- External RX/TX Filtering
- External TX Amplification (beyond 25 Watts)
- Complete Antenna Packages
- Control/Monitoring Workstations
- ECS/VTMIS Display Software
- Fully Integrated UPS

Technical Specifications	Dimensions	3U 19"
	Cable Entry	Front/Rear
	Cooling Fans	Option
	AC Power	110-220 VAC
	DC Power	24 VDC (Optional)
	Operating Temp	0-55 C
	Channel Spacing	12.5/25 KHz
	Frequency Range	156.025-162.025 Mhz
	RF Impedance	50 Ohms
	Modulation	GMSK @ 9600bps
	Internal DSC	Yes
	Output Power	25 W (50/100 W Optional)
	Output Ports	4 x RS232/422
	IEC Output	Yes
	Internal GPS	12 Ch dGPS
	DGNSS Support	Yes

The technical information contained in the marketing brochure(s) does not contain "technology" as defined by the General Technology Note in Export Administration Regulations (EAR) Supplement number 2 to Part 744 and is, therefore, considered as publicly released as defined in Part 734.7(4).

Specifications subject to change without notice. For up to date information go to www.L-3ar.com/Products MAR012Rev. H

RACK SYSTEM



Rack Mounted with UPS



Redundant Configuration

Meets specifications designated by IEC 62320-1



L-3 Aviation Recorders Quality Management System is ISO 9001:2000 and AS9100:2004 Rev. B Certified For additional information contact:



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