

ACR Nauticast™₂ AIS

Automatic Identification System
Non SOLAS

THE SCIENCE



OF SURVIVAL

COBHAM

PHYSICAL

Product Number	2609.12 (12 V) 2609.24 (24 V)
Model Number	
Size	10.07 x 7.92 x 2.36" 281.26 x 201.26 x 60 mm
Weight	5.5lbs.; 2490 g
Operating Temperature	5°F to 131°F (-15 to 55°C)

POWER SUPPLY

Supply Voltage (Galvanic isolated)	24 V DC (-10% + 30%)
Input Current	min. 7A (24V)

INTERFACES

CH4 ECDIS Port (In-/Output)	
AIS targets, AIS messages	in/out 38400 bps

BUILT IN GPS

Receiver Architecture	16 channel diff.
Tracking Capability	16 satellites sim.
Accuracy	2.5 m CEP
DGPS Accuracy	2.0 m CEP
GPS Antenna Connector	TNC

BIIT- Alarm System

Relay Breaking Capacity	30V DC 250V AC	8A 8A
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KEYBOARD

Integrated	Alphanumeric
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SPECIFIED STANDARDS

IMO MSC. 74(69) Annex 3	
ITU-R M. 1371-3 (Class A)	
IEC 61993-2 (2002)	
IEC 61162-1 (2000)	NMEA 0183-3
IEC 61162-2 (1998)	NMEA 0183-3
IEC 61162-3	NMEA 2000
ITU-R M. 823-2	
IEC 61108-1 (1996)	
IEC 60 945 (1996)	
ITU -R M. 825-3	
ITU -R M. 1084-3	

VHF

Frequency Range	156 MHz - 162 MHz
Channel Spacing	12.5 or 25KHz
RF Channels	3 Receiv./1 Transm.
AIS Receivers	2
DSC Receivers	1
Frequency Error	+/- 2.5 ppm

VHF TRANSMITTER

Output Power	1 Watt to 12.5 Watt (Adjustable)
Receive to Transmit Switching Time	< 1 ms
Transmit Release Time	< 1 ms
Automatic Shutdown	1 sec
Channel Switching Time	< 25 ms
Attack Time	< 1 ms

VHF RECEIVER

Max. Usable Sensitivity	<-110 dBm
Co-channel Rejection	> -8dB (25 kHz); > - 12 dBm (12.5kHz)
Adjacent Channel Selectivity	>70 dB (25 kHz); > 60dB (12.5 kHz)
Inter-modulation Rejection	> 65 dB
Spurious Response Rejection	> 70 dB
Blocking	> 84 dB

VHF MODEM

Bitrate GMSK	9600 bps
RF Baud Rate (DSC)	1200 bps
Modulation	GMSK/FSK

SOFTWARE

Nauticast™	2.0.S105.xxx Inatalled, implemented configuration software Nauticast™ Demo software
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HARDWARE

Nauticast Version 1.0.x

DISPLAY

Integrated	Text: 40 x 16 char Graphical: 240 x 128 dots Adjustable brightness and contrast
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Web: www.milltechmarine.com
Email: info@milltechmarine.com
Toll-free: 866-606-6143
Tel: 1-206-299-2217
Fax: 1-425-484-6218