



Built-in Class-B transponder Model AIT-700

AIS target list

ID	NAME	DEST	SOG	SPD	COG	CRG	TCPA
4160200	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160201	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160202	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160203	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160204	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160205	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160206	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160207	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160208	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160209	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0
4160210	TAIYUAN	TAIYUAN	0.0	0.0	0.0	0.0	0.0

AIS list with range ring



AIS target overlay on MAP



Featuring:

Display-viewing 7.0 inch WVGA LCD Screen
800 x 480 dots with white backlight LED.

Full screen display of AIS target display, chart plotter, Navigation, Satellite Info, 3D Highway, heading information pages.

Built-in AIS Class B Transponder module for monitoring all vessel's reporting own position to avoid collision accident.

Plotting AIS track history specified vessel and AIS target viewing monitor available with nearest vessel list. All received AIS target can be overlaid on plotter MAP screen.

AIS target detail information display, Position, Vessel name, Call sign, Flag, speed, heading and

Audible/visual AIS alarm against other vessels approaching user-specified alarm zone

C-MAP Cartography MAX SD card or Built-in MAP selectable

Data transfer function allows user data (tracks, waypoints, routes and boundaries) to be stored to SD/SDHC Card, and supports Plotter-to-Plotter data cloning between JMC brand plotter models.

Audible and visual alarms include anchor watch, arrival, boundary, cross-track error, GPS fix and HDOP, CPA/TCPA for AIS alarm

Multi-languages : English, Simplified Chinese, Traditional Chinese, Vietnamese, Malay, Turkish, Thai, Greek, Indonesian

Model AIT-700

Specifications:

Display screen:	7 inch TFTcolor LCD, WVGA (800x480 dots) resolution
AIS Receiver:	Applicable standard IEC62287-1
Receive channel:	2 Channels CH-A 88B (162.025 MHz) CH-B 87B (161.975MHz)
Sensitivity:	-107 dBm @20% PER
Antenna type:	VHF antenna (option)
Antenna Impedance:	50 Ω / Antenna short protection circuit built-in
AIS Transmit channel:	1 channel
Tx Power:	2W (33 dBm +/- 1.5dB) / 5W (37 dBm +/- 1.5dB)
Tx Mode:	CSTDMA
Channel space:	25 kHz
Frequency stability:	10 ppm (-20°C ~ +60°C)
AIS data output link:	NMEA0183 38,400 or 4,800 Baud
GNSS Receiver:	Tracking 32 channel, L1 1575.42 MHz, B1 1561.098 MHz
Position accuracy:	GPS & BDS 2.5m / GPS 3m / BDS 5m
Speed accuracy:	0.1 m/s (50% 10m/s)
Time to first fix:	Cold start < 32 S, Hot Start <1S
Position update rate:	1 Hz
MAP data:	Built-in Map or C-MAP Cartography MAX SD card
Map Scale:	0.01 – 100 n.m. (Built-in MAP) or 0.01 - 200 n.m (C-MAP)
Waypoints:	Total 10,000 points (8 digit comment, 8 color)
Route Waypoints:	200 routes x 48 points for each route
Boundary Points:	3,200 points (400 x 8 color)
Trackline Storage:	Total 262,144 points, 200 track lines
Audible & Visual Alarm:	CPA/TCPA, Anchor Watch, Arrival, Boundary, Cross-Track Error, GPS Fix, HDOP
Data Interfaces:	NMEA0183, RS-422 (external AIS, GPS Compass or Magnetic Compass heading), SD/SDHC Card for user data or C-MAP chart cartography
Baud rate (Output/Input):	4,800 baud
Cabinet Weight:	Approx. 1.6 kg with mounting bracket, knob
Power Requirements:	11 to 36 VDC, approx. 6W
Environment:	Operation -15~+55°C, +40 °C 93 % relative humidity
Standard Equipment:	Main Unit, User manual, Mounting Braket with knob screw (x2), Power cable 3m
(1 pc each in carton box)	Data input cable 3m, Data output cable 3m, GPS antenna 8m and Optional AIS antenna

Note: Specifications are subject to change without notice or obligation.

