FTGMDC

FT - 8700 AIS

Automatic Identification System Class B

CHINA CLASSIFICATION SOCIETY (CCS) : FZ10T00012

REGISTER OF FISHING VESSEL OF P.R.C. : C00000900090

Product Features

- Comply with IMO MSC 74(69)annex 3、A.694、ITU-R M.137-3 and IEC62287-1
- Comply with IEC61993-2 (standard test type)、IEC66945 (EMC approval)
- AIS target approaching, sound and light alarm function
- Compatible AIS Marine Class A and fisheries Class B
- Provided AIS target ship static ,dynamic information
- Target ship information display function
- 8.0 inch TFT true color LCD
- GPS navigation function

Shishi Feitong Communication Equipment Co., Ltd.

FT-8700 AIS B

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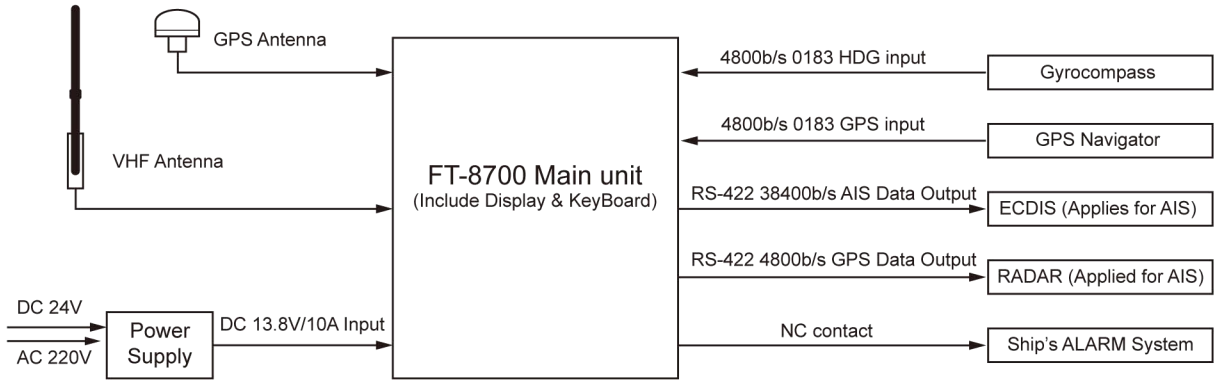
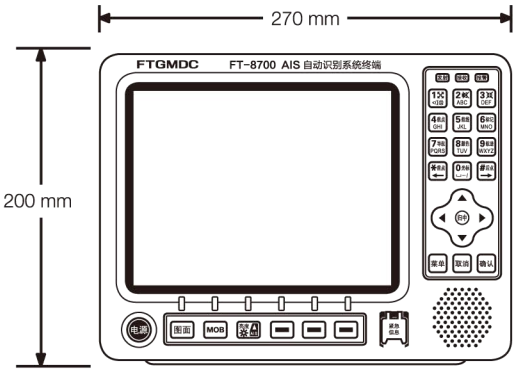
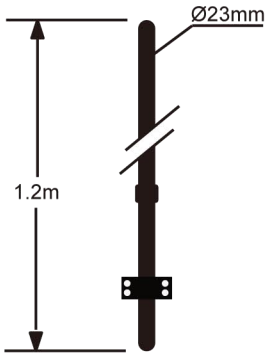
Block Diagram



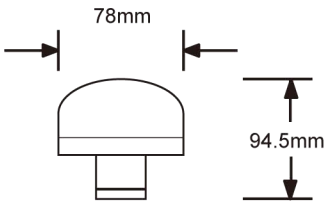
Main Unit



Antenna



VHF Antenna



GPS Antenna

Technical Specification

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RF Unit	: 1 transmitter and 2 receivers
Frequency Range	: 156.025-162.025MHz
Communication Mode	: CSTDMA
Frequency Tolerance	: ±500Hz
Display Screen	: 8.0 inch TFT true color LCD
Power Supply Voltage	: DC 12V-15V
Operating Temperature	: -15℃~ + 55℃
Dimensions	: 270（W）*200（H）*115（D）mm

AIS Transmitter Section

Carrier Power	: 33dBm±1.5dB
Modulation Spectrum	: < -25dBw (<▵fc<±10KHz)
	< -60dBw (± 25KHz<▵fc<±6.25KHz)
Modulation Accuracy	: < 3400Hz (Bit 0,1)
	2400Hz±480Hz (Bit2,3)
	2400Hz±240Hz (Bit 4-199 or 00001111 Bit format)
	1740Hz±175Hz （0101 bit format)
Spurious Components	: -36dBm (9KHz-1GHz)
	-30dBm (1GHz-4GHz)

AIS Receiver Section

Reference Sensitivity	: ≤-107dBm（Package error rate ≤ 20%）
High input Tolerance	: -77dBm（Package error rate ≤ 2%）
Co-channel Interference	: >10dB（Package error rate ≤ 20%）
Adjacent Channel Selectivity	: >70dB（Package error rate ≤ 20%）
Spurious Response Interference	: >70dB（Package error rate ≤ 20%）
Intermodulation Response Interference	: >65dB（Package error rate ≤ 20%）

Standard Parts :

- ■ Antenna 156MHz VHF
- ■ Cable ϕ5/10m
- ■ GPS Antenna RG-58/U 50Ω

Note: Specifications are subject to be changed without notice.

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