



# FT-8500

## GPS RECEIVER



## Product Features

- ◉ Large 8 -inch color screen, intuitive and clear display.
- ◉ Multi-channel standard signal input / output, sentence / baud rate can be set.
- ◉ National coastline (electronic chart) and place name tag information display.
- ◉ Support various navigation and navigation functions.
- ◉ Large storage capacity and chart memory.
- ◉ Provide AIS data information display operation interface.
- ◉ Support embedded / desktop / ceiling installation.



# FT-8500

## Technical Specification

Display screen	: Color 8.0inch LCD screen
Receive working frequency signal	: L1: 1575.42MHz
First capture time on boot	: $\leq 2\text{min}$
Loss of lock recapture time	: $\leq 2\text{min}$
Capture sensitivity	: $\leq -136\text{dBm}$
First fix time	: $\leq 2\text{min}$
Positioning accuracy	: Areas with calibration stations $\leq -20\text{meters}(1\sigma)$ : areas without calibration stations $\leq -100\text{meter}(1\sigma)$
Positioning elevation	: $> 5^\circ$ (Possible to locate and automatically update data)
Receive error rate	: ① $\geq 157.6\text{dBW}$ (elevation angle $30^\circ-75^\circ$ ) : bit error rate of received signal $\leq 1 \times 10^{-5}$ : ② $\geq 154.6\text{dBW}$ (elevation angle $10^\circ-29^\circ$ ) : bit error rate of received signal $\leq 1 \times 10^{-5}$
Pseudocode tracking random error	: $\leq 12.5\text{ns}$
Data interface format	: NMEA 0183(4800 baud rate)
Speed range	: 1-200km/h
Speed measurement accuracy	: 0.2m/s
Operating Voltage	: DC13.8V $\pm$ 15%
Working temperature	: $-15^\circ\text{C} \sim +55^\circ\text{C}$

## Agent Information

**E-Trust Marine Service(Taiwan) Co., Ltd.**

Address : 19F-1, Hai-Bian Road, Ling-Ya Dist., Kaoshiung, Taiwan (80248)

TEL : +866 7 2695523

FAX : +866 7 2695592

<http://www.etrust-marine.com>

Email : [james.etrust@msa.hinet.net](mailto:james.etrust@msa.hinet.net)

**Shishi Feitong Communication Equipment Co., Ltd.**