

**SPECIFICATIONS OF MULTI FUNCTION DISPLAY
TZT14**

1 GENERAL

- 1.1 Display 14.1-inch wide color LCD, 303.36 x 189.6 mm
- 1.2 Resolution 1280 x 800 dots (WXGA)
- 1.3 Indication system Raster-scan, non-interlace, Horizontal: 49.4kHz, Vertical: 59.92Hz
- 1.4 Brightness 900 cd/m² typical
- 1.5 Display colors 262,144 colors (plotter), 64 colors (echo), 16 colors (radar)

2 PLOTTER FUNCTION

- 2.1 Display mode Course plot, NAV data
- 2.2 Projection Mercator
- 2.3 Usable area 85° latitude or below
- 2.4 Memory capacity Track: 30,000 points, Point: 30,000 points (including MOB)
Route: 200 courses w/ 500 waypoints each
ARPA: 100 targets, AIS: 100 targets

3 RADAR INDICATION

- 3.1 Orientation mode Head-up, North-up (heading data required)
- 3.2 Echo trail 15/30s, 1/3/6/15/30 min. and continuous

4 OTHER FUNCTIONS

- 4.1 Sounder mode Echo sounder data required
- 4.2 Instrument data display Weather sensor, Engine monitoring sensor or other instruments required
- 4.3 Camera monitor IP camera or NTSC/PAL data required
- 4.4 Language Chinese, Danish, Finnish, French, German, Greek, Italian, Japanese, Norwegian, Portuguese, Spanish, Swedish, UK/US
- 4.5 Alarms Notification, Anchor watch, Cross track error, CPA/TCPA*, Proximity, Ship's speed under/over*, Sea surface temperature*, Depth*, Fish*, Bottom lock fish*, Hardware
*: External data required

5 INTERFACE

- 5.1 Number of port
 - LAN 3 ports, Ethernet 100Base-TX
 - CAN bus 1 port (LEN=1)
 - USB 1 ports, USB2.0
 - Video output 1 ports, DVI-D, VESA DDC
 - Video input 2 ports, NTSC/PAL
 - SD card slot 2 slots
 - Line out 1 port

- 5.2 Wireless LAN IEEE802.11b/g/n
 - Transmitting frequency 2.412 to 2.462 GHz
 - Output power 12 dBm max.
- 5.3 NMEA0183 (Ver2.0) sentences (Ethernet)
 - Input/Output CUR, DPT, GGA, GSA, GSV, HDG, HDT, MDA, MTW, MWV, RSA, ROT, VDM, VHW, VTG, XDR, ZDA
- 5.4 CAN bus PGN (NMEA2000)
 - Input 059392/904, 060928, 061184, 065280, 126208/720/992/996, 127237/245/250/251/257/488/489/505, 128259/267, 129025/026/029/033/038/039/040/041/538/540, 129793/794/795/797/798/801/802/808/809/810, 130306/310/311/312/313/314/577/578
 - Output 059392/904, 060928, 061184, 126208/464/720/992/996, 127250/251/257/258, 128259/267/275, 129025/026/029/033/283/284/285, 130306/310/312/313/314

6 POWER SUPPLY

- 6.1 Multi function display 12-24 VDC: 5.0-2.5 A
- 6.2 Rectifier (option) 100-115/220-230 VAC, 1 phase, 50/60Hz

7 ENVIRONMENTAL CONDITION

- 7.1 Ambient temperature -15°C to +55°C (wireless LAN: 0°C to +55°C)
- 7.2 Relative humidity 93% or less at 40°C
- 7.3 Degree of protection
 - Multi function display IP56 (w/ connector cover), IP22 (w/ connector boot)
 - Remote control unit (option) IP56 (front panel), IP22 (chassis)
- 7.4 Vibration IEC 60945 Ed.4

8 UNIT COLOR

N2.5 (fixed)