

Specifications - NavNet TZtouchXL

MODEL	TZT10X	TZT13X	TZT16X	TZT22X	TZT24X
DISPLAY UNIT					
Type	Color TFT multi touch IPS LCD				
Screen Size	10.1" Wide	13.3" Wide	15.6" Wide	21.5" Wide	24" Wide
Screen Resolution	WUXGA 1920 x 1200	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
Screen Brightness	900 cd/m2 (typical)				
Display Colors	16,770,000 colors (Chart Plotter), 64 colors (Radar/Fish Finder)				
Language	Bulgarian, Chinese, Danish, English (USA/UK), Finnish, French, German, Greek, Italian, Japanese, Norwegian, Portuguese, Russian, Spanish, Swedish, Turkish, Polish				
GPS/WAAS					
Receiver Type	GPS: 72 channels, SBAS: 1 channel (C/A mode, WAAS)				
Receiving Frequency	L1 (1575.42 MHz)				
Time to First Fix	100 s (cold start)				
Accuracy	10 m (GPS), 7 m (MSAS), 3 m (WAAS)				
Position Update Interval	100 ms or 10 Hz				
CHART PLOTTER					
Cartography	TZ MAPS, MM3 Vector, and CMQR capable (U.S. only)				
Memory Capacity	30,000 user points, 100,000 points for ship's tracks, 200 planned routes (500 points per route)				
Alarms	Anchor Watch, XTE, Depth*, Speed, Sea Surface Temperature*, Trip Gauge* (*external data required)				
RADAR					
Display Modes	Head-up, North-up* *Heading input required.				
Echo Trails	Interval: 15 s, 30 s, 1 min, 3 mins, 6 mins, 15 mins, 30 mins and continuous (Heading input required)				
Target Tracking	100 ARPA Targets (Radar dependent) with fully automatic target acquisition (Heading input required)				
Radar Alarms	Guard Zone, CPA/TCPA, Video, Azimuth, Heading Line				
FISH FINDER					
Transmit Frequency*	CW: 50/200 kHz, CHIRP: 40 kHz to 240 kHz (Low, Medium, and High)				
Transducer	300/600 W or 1 kW* *Matching box MB1100 required for some transducers.				
Display Range	2 to 1,200 m; shift 0 to 1,200 m (1,200-2,400m / 4,000-8,000ft)				
Extension Mode	ACCU-FISH™, A-Scope, Auto (Fishing/Cruising), Bottom Discrimination, TrueEcho CHIRP™ (with compatible transducer)				
Picture Advance	8 steps: x4, x2, x1, 1/2, 1/4, 1/8, 1/16, stop				
Fish Finder Alarms	Fish School, Fish School for bottom lock				
SIDE-SCAN					
Transmit Frequency*	CHIRP: 220-240KHz/445-465KHz				
Transducer	225KHz: 225T-PR904, 225T-SS904, 225T-TM904 / 455KHz: 455T-PR903, 455T-SS903, 455T-TM903				
Display Range	750 feet to each side				
Display Colors	Green, Blue, Amber, White				
Display Screen Sizes	Full Screen, 1/2 Screen, 1/4 Screen, 1/6 Screen				
Direct Connect to MFD	Full Screen, 1/2 Screen, 1/4 Screen, 1/6 Screen				
INTERFACE	Direct connect to TZ10X, TZT13X, TZT16X only; may be networked with TZT22X/TZT24X				
NMEA2000	1 Port				
Input	065280, 126992/993/996, 127237/245/250/251/257/488/489/505, 128259/267, 129025/026/029/330/038/039/040/041/291/538/540, 129793/794/798/801/802/808/809/810, 130306/310/311/312/313/314/316/576/577/578, 130817/818/820/822/823/826/827/828/880				
Output	126992/993/996, 127250/251/257/258, 128259/267/275, 129025/026/029/033/283/284/285, 130306/310/311/312/313/314/316				
NMEA0183	1 Serial Output Port				
Output	1 Port (1000 BASE-T)				
LAN	AAM, APB, BOD, DBT, DPT, GGA, GLL, GNS, GSA, GSV, RMB, RMC, RTE, TTM, VDM, VTG, WPL, XTE, ZDA				
USB	1 Port (USB 3.0) for control unit				
Video I/O	Input: 1 port (NTSC/PAL)				
AUX I/O	2 Ports (Event Switch and External Power Switch)				
SD Card Slot	1 Slot (Micro SDXC, rear)				
Wireless LAN	IEEE802.11b/g/n, Transmit frequency: 2.412 to 2.462 GHz, 11dBm max				
Transducer Connection	1 Port 12 pin for CHIRP/CW, 1 Port 12 pin for Side-Scan				
ENVIRONMENT					
Temperature (IEC60945)	-15°C to +55°C				
Relative Humidity	93% or less at +40°C				
Waterproofing	IP56				
POWER					
	T.B.D.	T.B.D.	12-24 VDC	5.1-2.5A	6.7-3.2A