

smartAIS

It could save your life

New WATCHMATE VISION²

WORLD'S FIRST TOUCHSCREEN *smartAIS* TRANSPONDER

PACKED WITH THE LATEST, MOST ADVANCED FEATURES



**BRIGHT, EASY TO USE
COLOR TOUCHSCREEN**

Introducing WatchMate Vision² with a highly responsive, easy to use capacitive touchscreen, bright display, stylish looks, increased WiFi connectivity and lots more.

Powered with *smartAIS* technology, Vision² has safety features that can save lives. Get proactive alerts when you have potential collision situations, if your anchor drags or if there's a man overboard situation.

With its intuitive and easy to use touch screen, scroll through the menu, zoom in and out, see vessel details and navigation data, change alarm settings and more with the most gentle of touches.

Remote control your transponder from anywhere on board with your smartphone, tablet or smartwatch using WiFi. The Vision² enables you to connect up to eight devices simultaneously for greater flexibility.



**HIGH SPEED WIFI
ACCESS**

The Vision² has a stylish black bezel front panel with glossy black side panels, designed to complement every helm and Nav station.



STYLISH NEW LOOK

smartAIS technology



SAFETY UNDERWAY

Collision prevention

Continuously determine crossing situations, receive collision alarms with full vessel information for critical action.



SAFETY AT ANCHOR

Anchor Watch

Sleep soundly, knowing you'll be alerted if your anchor is dragging



SAFETY FOR YOUR CREW

Man Overboard

Be alerted when your crew activate an AIS MOB device and see their current location for easy retrieval.

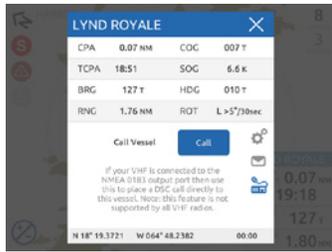
INTERACTIVE USER FRIENDLY SCREEN



The bright 5.7 inch color touchscreen has a radar plotting display with worldwide coastal outlines for better situational awareness. The screen magnifier allows you to select targets without losing position context and scale. The screen has excellent optical clarity over a

wide viewing angle and can be viewed using polarized glasses.

PACKED WITH ADVANCED SAFETY FEATURES



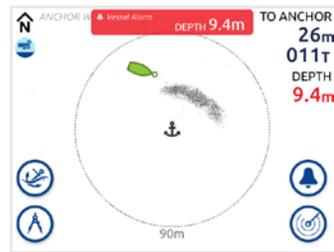
DSC calls: Place calls directly to a vessel by touching it on the screen. (Works with ICOM VHF radios)



Alarm banner: Highlights the most critical alarm while also sounding an audible alarm.



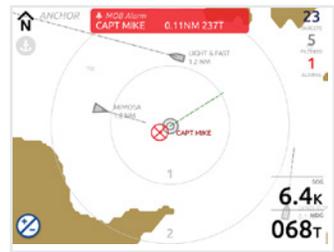
Intelligent target filtering: Reduces screen clutter showing only those vessels with a collision risk.



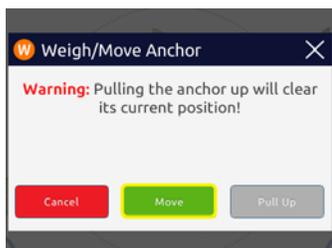
Depth alarm at anchor: Warns you if the water depth falls below a certain level.



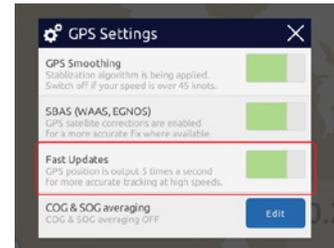
Wind alarms at anchor: Get alerted with change in wind direction or wind speed.



MOB labelling: In case of an MOB, view the name of your crew member instead of a string of MMSI numbers.



Anchor Move: After setting your anchor position, you can finetune its position for greater accuracy.



5Hz GPS update rate: Transmits position information faster for better resolution

TECHNICAL DATA

SIZE	172mm wide x 130mm high x 60mm depth (6 7/8" x 5 1/8" x 2 3/8")
LCD TOUCH PANEL	145mm (5 11/16") VGA color TFT capacitive touch
POWER SUPPLY	10-32 VDC 2A max, 6W nominal
ENVIRONMENTAL	Waterproof (IPx7)
OPERATING TEMPERATURE	-25°C to +55°C (-13°F to 131°F)
STORAGE TEMPERATURE	-25°C to +80°C (-13°F to 176°F)
NUMBER OF RECEIVERS	2 AIS, 1 DSC (timeshared)
NUMBER OF TRANSMITTERS	1 AIS
RECEIVE FREQUENCY RANGE	156.025 – 162.025 MHz
TRANSMIT FREQUENCY RANGE	161.500 – 162.025 MHz
AIS SENSITIVITY	-113 dBm < 20% PER
POWER OUTPUT	33 dBm (2W)
GPS SENSITIVITY	-159dBm tracking & navigation -142dBm acquisition
GPS DIFFERENTIAL SUPPORT	SBAS: WAAS, EGNOS, MSAS, GAGAN
GPS NAVIGATION RATE	Selectable 1Hz or 5Hz with magnetic variation included in output
SERIAL DATA	1 USB port (isolated), 1 NMEA input (isolated RS422), 1 NMEA output (RS422)
NMEA 2000 GATEWAY	Converts selected instrument PGN's to and from 0183, WiFi and USB
USB CONNECTOR	Mini USB (USB 2.0)
NMEA 2000 CONNECTOR	NMEA 2000 Micro-C male. Requires female drop cable (not included)
WIRELESS	802.11 b/g/n in Access Point or Client Mode, 10 dBm
ACCESS POINT SECURITY	WPA2 Personal
CLIENT MODE SECURITY	None, WPA & WPA2 Personal

EASY INSTALLATION

- Waterproof, rated IPx7 (submersible to 1m for 30 minutes)
- Built-in GPS antenna does not require an external GPS antenna for most installations
- Optional external GPS antenna when a view of the sky is not available
- Fully NMEA 2000 certified for compatibility
- Interface with any devices over NMEA 0183, NMEA 2000, WiFi and USB
- Galvanically isolated ports to prevent high current damage to your transponder and connected equipment
- World-wide two year warranty



Incorporates Vesper Marine patented AIS technology.