smartAIS

It could save your life

WatchMate Vision
smartAIS transponder

Color touchscreen and fully standalone transponder.

THE ULTIMATE TRANSPONDER

Get the smartAIS advantage of Safety Underway, Safety at Anchor and Safety for your Crew with a fully standalone *smart*AIS transponder, WatchMate Vision.

Winner of the NMMA Innovation Award, the WatchMate Vision has a large 5.7" bright color touchscreen with an intuitive interface for easy operation of all transponder functions.

With its WiFi Router and NMEA Gateway, Vision allows you to see safety and navigation data on your tablet, mobile or PC. Use it with a variety of third party apps or our free iOS and Android WatchMate app for interactive remote control.

Install standalone or easily integrate it to your existing network, WatchMate Vision is compatible with all NMEA 2000 certified chart plotters and MFD's. It has a built-in high resolution GPS antenna, which can also be used as a GPS source for NMEA 2000.

Its unique target filtering reduces clutter in busy locations showing only those vessels on a collision course and displaying a graphical view of crossing situations.

Sophisticated alarm management eliminates false collision warning alarms that plague chart plotters and other AIS displays.

It comes with worldwide coastal outlines that determines your location in relation to major land areas.

THE smartAIS ADVANTAGE

SAFETY UNDERWAY — SAFETY AT ANCHOR — SAFETY FOR YOUR CREW — smartAIS™

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.

STANDALONE OR INTEGRATED

Optional

Wireless

Splitter

Standalone

USB

VHF Radio

NMEA 0183 or 2000

MFD   Wind   Depth   Heading   Others

ADJUSTABLE FILTERS

Show icons for
every vessel

Filtered to only
show collision risks

Intelligent filtering enables you to de-clutter your display. The WatchMate Vision automatically calculates the closest point of approach (CPA) and time until CPA (TCPA). You can filter target vessels by range, speed, CPA or TCPA.

You can customize these settings for different profiles – Harbor, Coastal, Offshore and Anchor, making it easy to alter your display and alarms according to your situation.

Vessels and alarms are presented in priority order, making it easy to identify critical hazards.

CE 0168   FC   Canada   PATENTED   Available on the App Store   GET IT ON Google play

Incorporates Vesper Marine patented AIS technology.

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 resistive touch
POWER SUPPLY	10-32 VDC 2A max, 6W nominal
ENVIRONMENTAL	Watertight (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 in Access Point or Client Mode
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

- World-wide two year warranty

2012 NMMA INNOVATION AWARDS WINNER