Vesper Marine Transponder Comparison

	WatchMate 850 TRANSPONDER	WatchMate VISION	XB-8000 TRANSPONDER	XB-6000 TRANSPONDER
Exclusive smartAIS technology: Safety Underway, Safety at Anchor, Safety for your Crew	✘	✔	✔	✘
Easy to use customizable alarm controls helps eliminate false alarms	✔	✔	✔	✘
Built-in alarm plus external alarm/buzzer/indicator control	✔	✔	✔ External Collision, MOB and Anchor Watch alarms	✘
Collision alarm with multi profile (Anchor, Harbor, Coastal, Offshore)	✔	✔	✔	Using chart plotters, MFD's and computer software
Alarms for AIS portable Man Over Board devices	✔	✔	✔	Using chart plotters, MFD's and computer software
Anchor Watch alarm	✔	✔	✔	✘
Can connect wirelessly to other devices using WiFi (5 users)	✘	✔	✔	✘
Controls transponder, silent mode and other safety features remotely via iPhone/iPad and Android apps	✘	✔	✔	✘
Use with standard applications such as iNavX, SEAiq, iSailor, etc. on iPads and Android tablets	✘	✔	✔	✘
Easy interfacing to all chart plotters, MFD's and computers supporting AIS	✔	✔	✔	✔
High performance 50 channel built-in GPS receiver	✔	✔	✔	✔
High speed 5Hz GPS navigation rate	✘	✔	✔	✔
Can be used as primary GPS on a NMEA 2000 network	✘	✔	✔	✔
Internal GPS antenna eliminates need for external antenna when mounted with a view of the sky	✔	✔	✘ Includes external antenna	✔ Has internal and includes external antenna
Bi-directional NMEA 0183 to WiFi gateway	✘	✔	✔	✘
Bi-directional NMEA 2000 to WiFi gateway	✘	✔	✔	✘
Bi-directional NMEA 2000 to NMEA 0183 and USB gateway	✘	✔	✔	✔
Ability to connect to computers via waterproof USB	✔	✔	✔	✔
Galvanic isolated USB protects computer and AIS from damage	✔	✔	✔	✔
Waterproof, can be externally mounted	✔	✔	✔	✔
Full receive of all Class A and B AIS data and transmission of Class B AIS data	✔	✔	✔	✔
Internal high-performance parallel two channel AIS receiver and transmitter	✔	✔	✔	✔
Self diagnosis to provide warnings if AIS, GPS or antenna are not functioning	✔	✔	✔	✔
Transponder can be put into Silent Mode (receive only)	✔	✔	✔	✔
Fully certified NMEA 2000	✘	✔	✔	✔
Customize and filter targets when operating in busy areas	✔	✔	N/A	N/A
Computes & prioritizes targets by CPA, TCPA, bearing, range etc	✔	✔	Using our free iOS and Android apps	Using chart plotters, MFD's and computer software
Shows your own GPS position, course, speed and heading	✔	✔	Using our free iOS and Android apps	Provides GPS info to all connected devices
Graphically depicts future crossing situations	✔	✔	Using our free iOS and Android apps	N/A
Heading-up/North-up display	✔	✔	Using our free iOS and Android apps	Using chart plotters, MFD's and computer software
Displays magnetic bearings and Aids to navigation marks	✔	✔	Using our free iOS and Android apps	Using chart plotters, MFD's and computer software
Identify friends or vessels in your fleet with a special icon	✔	✔	N/A	N/A
VHF radio DSC calling by selecting a target on the screen (requires compatible VHF radio)	✔	✔	✘	✘
Unique VHF 'in use' indicator (when used with Vesper Marine VHF/AIS splitter)	✔	✔	N/A	N/A
Display worldwide coastlines	✘	✔	N/A	N/A
High resolution color touchscreen	✘	✔	N/A	N/A
Viewable screen in daylight & wearing polarized sunglasses	✔	✔	N/A	N/A
Includes mounting bracket or can be installed flush in a panel	✔	✔	N/A	N/A
Super low power consumption	Excellent, 3W	Good, 6W	Very Good, 4W	Excellent, 2.5W