

## Software tested thoroughly and repeatedly.

The Chelton EFIS SV-10 operates with industry leading software, based on the same version loaded in the FAA Certified Chelton FlightLogic Synthetic Vision EFIS. We match the rock-solid Chelton SV-10 displays and software with the finest sensors available. The SV-10 comes standard with the high-performance Pinpoint Inertial GADAHRS (GPS / Air Data / Attitude Heading Reference System). Options such as the FreeFlight 1101 WAAS GPS upgrade further increase the value of your SV-10 system. This allows for stand-alone GPS navigation capability with full integrity monitoring. The end result is a system that gives you performance and reliability unmatched by any other experimental EFIS.




## Features designed for safety and reliability with intuitive usability.

The Chelton SV-10 provides the safety and navigation features you've come to expect starting with Real-time forward looking 3-D Terrain that shows what's in front of you and Highway-In-The-Sky (HITS) navigation that moves you from point A to B with precision and confidence. Your Chelton also includes Terrain Awareness Warning System (TAWS) that will alert you of possible terrain and obstructions in your current path, and a Cautionary Alert Warning System (CAWS) to keeps an eye on things and will warn you of traffic, stall, low fuel and more than thirty other alerts.

The primary flight display (PFD) intuitively provides all relevant flight data including forward and vertical speed, directional information along with a 3-D "tunnel" appearing as a series of green boxes (HITS), and Heads Up Display (HUD) symbology superimposed over the 3-D synthetic vision artificial horizon. This system is simple to use and provides the ultimate in situational awareness and reliability.

The Multi-Function Display (MFD) can show a variety of information, including a GPS moving map, traffic, weather and a conventional HSI overlaying VOR/LOC/GS. When interfaced with a supported engine monitoring system, the Chelton SV-10 will scan, monitor, and log flight dynamics and engine functions. All engine parameters are shown in both analog and digital format, and the unique symbology coloring instantly identifies any parameter that exceeds the normal range. Additionally, the SV-10 interfaces with devices such as TCAD and datalink weather systems—allowing your Chelton to provide a conformal view of traffic position relative to your aircraft, and the ability to see weather anywhere in the U.S., including graphical METARs, textual TAFs, TFRs, echo tops and more.

The Chelton SV-10 includes a full Flight Management System (FMS) with an integrated 16-channel GPS. This feature saves you money by eliminating the need for additional GPS flight management equipment. It's loaded with Jeppesen NavData that allows for on-screen flight planning from "Direct To" functions to a complete IFR flight plan including airways, SID's and STARS. As an option, add to your SV-10 the FreeFlight WAAS GPS with full integrity monitoring, and your SV-10 can be used for stand-alone IFR GPS navigation. When comparing functionality and capabilities of the Chelton EFIS, you'll find it is in a league of its own.

 No other experimental GADAHRS can claim to be built to surpass certification level DO-160E, or whose performance characteristics are fully realized in both VFR and IFR flight environments.



Display engine information including a complete engine analyzer of all cylinders



Display datalink weather to give you a thorough look ahead of your route in real time.



Display Traffic alerts and terrain avoidance on top of your GPS for further situational awareness

## Service, support, and training from Direct-To Avionics completes the package.

Direct-To Avionics was created to be the ultimate resource for Chelton's experimental line of synthetic vision EFIS. We took part in its development and continue developing, evaluating and exhaustively testing future Chelton Experimental and Certified systems. We have an intimate working knowledge of electronic flight systems and pass this along to our customers with complete and dedicated support—from technical, to training, to warranty. When you choose Chelton you'll be completely supported by Direct-To Avionics. Our support and dedication to our customers leads the industry.