

Introducing Garmin SVX™:

New 3-D Synthetic Vision capability for the G3X™ Flight Display System.

Now, with the introduction of realistic SVX™ synthetic vision capability for the Garmin G3X™ flight displays, pilots of experimental, kitplane and light sport (LSA) aircraft can afford to fly with the very latest in 3-D “virtual reality” situational reference.

Combining full primary flight display (PFD) attitude/directional guidance with detailed moving-map multifunction display (MFD) capabilities, the affordable Garmin G3X is a customizable glass cockpit system that can be networked with up to three interlinked displays in the panel. In single-screen installations, a split-screen mode enables PFD instrumentation to be viewed on the display's top half, while MFD information is presented on the lower half.

By adding the new SVX synthetic vision capability, the G3X flight presentation becomes significantly more detailed and lifelike. Seamlessly integrated with all standard flight attitude, airspeed, climb rate, altitude and course/heading information, the Garmin SVX technology creates a database-generated 3-D topographic landscape on the display. So, instead of a flat blue-over-brown flight instrument, pilots will see an in-depth perspective view of realistic terrain features rising into the distance. Land, water and sky are clearly differentiated with realistic shading and textures, similar to those used on most sectional charts. Obstacles and airports (with identifier sign-posts and runway designations) are shown in relative proximity to the aircraft. And with a Garmin GTX 330 transponder or other compatible traffic receiver installed, the SVX will also display TAS/TIS targets in 3-D perspective, so pilots can visually gauge how high and how close they are.

Garmin SVX synthetic vision is one of the most useful and valuable safety-enhancing features ever offered in this class of equipment. And best of all, it's now included with all newly purchased Garmin G3X systems – and will be available as a free software download for pilots who are already flying with G3X displays onboard. To find out more, contact your Garmin representative for a demo. Or visit our website at www.garmin.com.



SVX™



Terrain awareness with Garmin SVX technology brings added safety to flight. Potential terrain conflict areas are indicated by a color overlay on the topography: Yellow for caution. Red for WARNING.



When visibility is low, it's reassuring to have Garmin SVX technology helping you keep an eye on non-terrain structural hazards and oncoming traffic. Tower and traffic symbols increase in size as they get closer – thus highlighting potential collision risks.



From shorelines to ridgelines, Garmin SVX terrain depictions look so detailed and lifelike, it's almost like having a full color representation of your "out the window" view from the cockpit on a clear day.



When flying into unfamiliar airports, SVX helps ensure a smoother arrival. Airports are shown with identifier signs. And runway surfaces, numbers and thresholds are clearly depicted in 3-D on the terrain.



Color-coded 3-D terrain contours help enhance safety of flight by making it easy for pilots to visualize potential hazards ahead – even at night or in low-visibility conditions.

FEATURES AT A GLANCE:

- 3-D synthetic vision renders terrain-alerting data into realistic virtual landscape
- Enables pilots to visualize terrain, obstacles and traffic ahead
- Yellow or red highlighting shows potential flight-into-terrain hazards
- Familiar TAS/TIS symbology grows larger as traffic gets closer
- Towers and Obstacles database depicts non-terrain structural hazards
- Gridlines on the terrain surface enhance distance perception
- Airport layouts and runway thresholds are depicted on the PFD
- Locator signs identify nearby airports on the virtual landscape