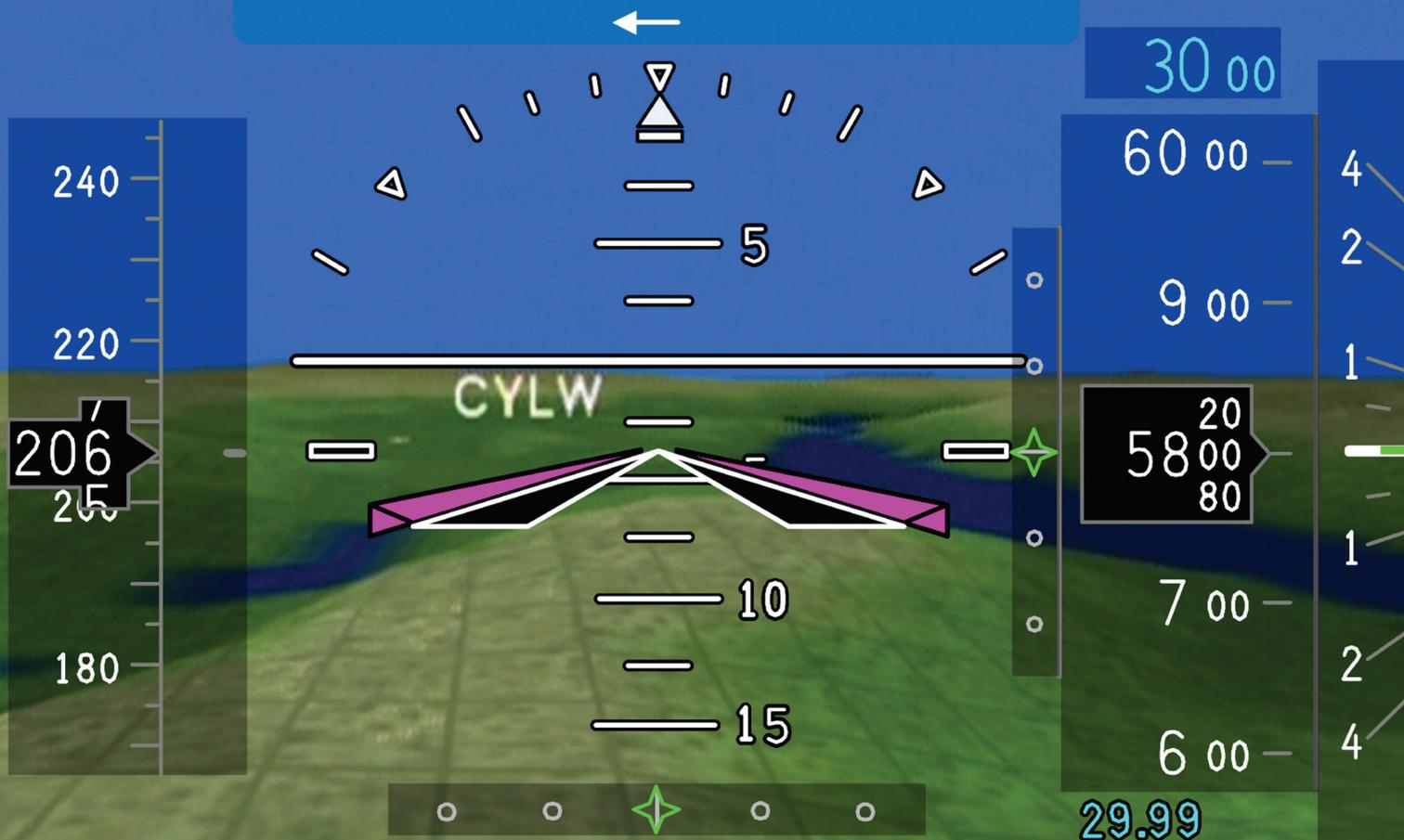


Pro Line 21™ Synthetic Vision System (SVS)



A virtual landscape image provides a clearer view of the world.

The Synthetic Vision System (SVS) from Rockwell Collins better equips your flight crews for situational awareness in low visibility and unfamiliar territory. They can fly safer day or night with increased positional awareness provided by a synthetic view of the external environment, regardless of weather or time of day.

At the heart of the synthetic vision technology are databases of terrain and other cultural features used to generate a virtual landscape image on the pilot's Primary Flight Display (PFD) background. This new technology delivers flight information in ways never before possible to empower your flight crew to make better decisions.

With a simple menu selection, the synthetic image replaces the sky and ground depiction of the Attitude Director Indicator (ADI) on the PFD and dynamically changes based on current aircraft position, to give the pilot better situational awareness of the surrounding terrain and environment.

SVS works consistently across diverse atmospheric moisture conditions. It predictably provides a bright, crisp picture, allowing flight crews to operate with improved situational awareness and safety. PFD menus provide simple access to egocentric synthetic flight-deck view features such as on/off control, flight path vector, and day/night controls. Multi Function Display (MFD) exocentric (bird's eye) view is also available.

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SIMPLIFIES PILOT COGNITION OF THE TERRAIN

Simple color symbology and 3-D video depictions illustrate runway, airport, terrain and other features of SVS.

Airport symbols are shown when in close proximity to the arrival airport; plus runway markings also provide coherent dimensions and include extended runway center line depictions, threshold, and symbology features consistent with AC150/5340-1J.

Sky, terrain and bodies of water show with smoothing transition boundaries, shading, color transitions at different elevations and other features. This maximizes the virtual landscape value to your flight crew.

SVS's unique airport/runway and terrain database features are updated as required to keep flight-deck terrain details aligned with runway and airport updates. This enhances overall situational awareness on each flight.

Pro Line 21 SVS brings a new level of simplicity and operational efficiency to your flight deck by enhancing operations in low visibility with synthetic terrain images displayed on the PFD/MFD. Contact your OEM for more information on installing SVS on your aircraft. Your flight operations will enjoy a new level of safety, situational awareness and operational cost effectiveness on every flight.

KEY FEATURES

- › 3-D terrain and airport data superimposed on the PFD
- › A natural 3-D image provides flight crews with a clear blue day image in all weather conditions
- › Terrain elevation changes depicted in color bands
- › Sky, terrain and bodies of water differentiated in color
- › Egocentric and exocentric SVS views
- › Airport and runway symbology/depictions
- › Simple menu selections provide SVS control and management
- › 28-day update cycle for airport and runway information

KEY BENEFITS

- › Increased situational awareness of flight regardless of weather or time of day
- › Better situational awareness in low visibility and unfamiliar territory
- › Reduced flight operational workload
- › Flexibility that allows for future software upgrades
- › Ease of display upgrade integration requiring minimal training



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Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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