

G5000: LOWER WEIGHT, LOWER COST OF OWNERSHIP AND ZERO-TIME AVIONICS

Operators of the Cessna Citation Excel and Citation XLS series aircraft have a great option for making their favorite jets even more productive – with the very latest in satellite-based navigation capabilities, digital flight management tools, NextGen/SESAR/EUROCONTROL operational support for ADS-B and Data Comm/Link 2000+, and graphical display technologies for enhanced safety and crew coordination. The new Garmin G5000 glass upgrade suite not only offers the most intuitive, most fully integrated pilot interface ever seen in this class of avionics equipment, but, typically, it also replaces enough outdated wiring and hardware in the aircraft to provide an estimated weight savings of 200 lbs or more. That translates into significant extra payload and fuel-planning flexibility. This upgrade reduces the cost required to maintain older avionics and addresses obsolescence, breathing new life and capability into the airframe.

Combining three landscape-oriented 14" flight displays with two digital touchscreen display/controllers that serve as the primary crew interface for the system, the Garmin G5000 flight deck puts a wealth of capability at the pilot's fingertips. The wide-format flight displays can function in multi-pane mode, allowing multiple pages (or reversionary PFD/MFD) to be viewed side by side on the same screen. With this capability, pilots can simultaneously view maps, charts, checklists, TAWS-A, TCAS II, flight plans, weather, video input and more, without cluttering or compromising the clean visual layout. Plus, all engine indications and crew alerting messages are integrated into the flight deck, providing crews with better awareness to critical operating parameters. In addition, the G5000 system for the Citation Excel/XLS also features a digital, dual-channel automatic flight control system (AFCS), which supports capabilities such as fully coupled go-arounds, emergency descent mode and other sophisticated autopilot features. For added situational awareness, optional Garmin SVT* (synthetic vision technology) is available on the flight displays. Other G5000 package options include advanced weather radar capabilities such as turbulence detection, ground clutter suppression, as well as windshear alerting; traffic alerting with available TCAS/ACAS II functionality¹; and Garmin Connex[™] global datalink services, including worldwide satellite weather coverage, voice calling, email and text messaging, SiriusXM[®] satellite weather and audio entertainment links. Plus, more to come. For details, please visit Garmin.com/aviation.

FEATURES AND BENEFITS

- Fully integrated glass flight deck upgrade for the Cessna Citation Excel and Citation XLS
- Dual touchscreen display/controllers offer intuitive pilot interface, while enabling each crew member to have full operational accessibility
- Multi-pane 14" PFD and MFD displays provide crew-configurable presentation of graphical data on any of the primary screens
- Integrated engine-indicating and crew-alerting system (EICAS)
- Fly WAAS GPS-guided LPV approaches to 200' minimums, providing access to more airports and increasing aircraft utility
- Garmin integrated autopilot with emergency descent mode and optional underspeed protection (USP)
- Estimated 200 lb weight savings, providing greater fuel/payload/ range flexibility
- Enhanced situational awareness provided through optional Garmin SVT
- NextGen/SESAR compliance with ADS-B "Out" capabilities
- CPDLC including the FAA's Data Comm and EUROCONTROL's Link 2000+ programs
- Supports "paperless flight deck" with digital document display capability for electronic charts, flight manual data and more
- Compatible with existing TCAS/ACAS II systems
- Advanced weather detection and avoidance technology
- Available Garmin Connex options include satellite access to worldwide weather, voice calling and text messaging while in flight
- Connex cockpit wireless connectivity keeps all your weather, traffic and more in sync between your avionics and tablet
- Two-way wireless flight plan transfers between your avionics and Garmin Pilot[™] and ForeFlight Mobile
- Support for reduced vertical separation minimums (RVSM) operations
- Growth-oriented architecture allows many future technologies to be accommodated via software updates
- System reliability backed by a 3-year warranty and worldwide, award-winning and industry-leading Garmin Avionics Support network



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¹Compatible with existing TCAS/ACAS II systems using an industry standard protocol. Garmin GTS 8000 TCAS II optional.
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G5000[®] UPGRADE PROGRAM

MODERN FLIGHT DECK SOLUTIONS FOR THE CESSNA CITATION EXCEL AND CITATION XLS





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