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AVIATION
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G500

PART NUMBER: 010-0G500-00

$15,995.00 USD

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List price quoted is MSRP and actual price is determined by the dealer. Price is shown without installation cost, additional parts may be required. For more complete pricing information, including installation cost, please contact an authorized Garmin aviation dealer.

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OVERVIEW

Digitize Your 6-Pack

- Dual 6.5-inch flight displays that are easy to read
- Interfaces with popular avionics, including autopilots
- See clearly even in IFR conditions with SVT™
- Weather, traffic and charting in primary field of view
- Industry-leading, award-winning support

Designed specifically for FAR Part 23 Class 1/Class 2 aircraft (singles and twins less than 6,000 lbs), G500 is an affordable, dual-screen electronic flight display that works with your avionics stack to provide a fully certified "glass cockpit" retrofit option.

Replaces Your 6-pack with Twin Screens

G500's 10-inch wide bezel fits neatly into the panel space vacated by your standard 6-pack of mechanical 3-inch flight instruments. (In many cases the existing airspeed indicator, artificial horizon and altimeter can be relocated to serve as standby instrumentation.)

Dual 6.5-inch LCDs, mounted side-by-side in the bezel, put both Primary Flight Display (PFD) and Multifunction Display (MFD) capabilities directly in your field of view to help streamline instrument scanning. See real-time True Airspeed calculations and selectable Winds Aloft data — as well as aircraft ground speed, GPS active waypoint, distance-to-waypoint, desired/actual track, and more. The screens are even Class B night-vision goggle friendly for use with a wide array of optics.

On the left-hand side, the PFD consolidates all primary situational information regarding your aircraft's position, speed, attitude, vertical rate, altitude and flight progress. For added visual orientation, a scaled version of our SVT is also available as an upgrade option — creating a 3-D "virtual reality" perspective view of flight and enroute terrain features.

Situational Awareness

On the right-hand side, the MFD provides detailed moving-map graphics of your aircraft's current position in relation to ground features, chart data, navaids, flight plan routings and more. A trial version of our geo-referenced FliteCharts® and SafeTaxi® diagrams for the U.S., Canada or Europe come pre-installed (the charts will disable when the data is more than 6 months out-of-date); geo-referenced Jeppesen charts are optional. Smart Airspace conveniently highlights the airspace nearest your current altitude and de-emphasizes non-pertinent airspace so you can quickly identify their location relative to your flight path.

WireAware incorporates wire-strike avoidance technology to graphically overlay power line locations and altitude information on the moving map while built-in terrain, U.S. and Canadian obstacles databases provide color-coding and other visual cues to graphically alert you when proximity conflicts loom — and optional TAWS is available with a GTN 750 navigator. What's more, AOPA Airport Directory data comes pre-installed, putting FBO and fuel/service listings right at your fingertips. When flying internationally, opt for global AC-U-KWIK airport directory data instead.

Experience the AHRS Advantage

In place of sensitive gyro instruments, G500 uses our super-reliable GRS 77 Attitude and Heading Reference System (AHRS). Combining inputs from GPS, magnetometer and air data computer, the AHRS provides an

accurate digital referencing of your aircraft's dynamic orientation in space. Also, unlike some competitive attitude/heading sensors, it's even able to restart and properly realign itself while the aircraft is moving. ARINC 429 interface support also allows radar altimeter data (like the all-digital GRA 55) to display directly on the PFD.

Keep Your Existing Avionics

G500 was designed to interface with and display data from a range of equipment, including radios, navigators and audio panels. It'll even interface with autopilots and flight directors installed in Class 1 and Class 2 aircraft. You can use G500 for cockpit control/display of heading, course and navigation source inputs for autopilots, as well as autopilot mode annunciations with variants of the KFC 275/325 and KFC 225. What's more, with the optional GAD 43 adapter unit, you can elect to have the same ultra-reliable digital AHRS data driving the G500 display to serve as your autopilot's primary attitude reference. This typically eliminates the need to retain a gyro-mechanical ADI. The GAD 43e adds even more capabilities that can further reduce pilot workload and enhance safety, including altitude preselctor and vertical speed control, as well as DME distance, synchro ADF, marker beacon lamps and analog altimeter indicators right on the display.

Weather, Traffic and Other Options

Combine G500 with a variety of optional sensors and data links. Add digital on-board weather radar functionality with our Doppler-capable GWX™ 70, which features a reliable, solid-state design, as well as optional turbulence detection and ground clutter suppression capabilities. The GDL® 69 series XM receiver offers weather and NEXRAD coverage for the U.S., as well as SiriusXM Satellite Radio, while the GSR 56 provides global weather data, radar imagery, voice/data connectivity and ground-based position tracking through the Iridium satellite network. And for help in watching nearby traffic, access Traffic Information Service (TIS) alerts on your G500 simply by adding a GTX 330 Mode S transponder and see ADS-B "In" subscription-free weather and TIS-B traffic by adding a GDL 88 datalink — including TerminalTraffic™ alerts that depict ADS-B equipped aircraft and ground vehicles in the airport environment and TargetTrend™ relative motion technology to visualize the trend of traffic as it relates to your aircraft. For even more advanced traffic surveillance in high-density airspace, select from an available TAS or TCAS system, including our GTS™ family of traffic surveillance products. G500 also includes a video input option that allows your MFD to double as an EVS or live-cam video monitor.

Retrofit Made Easy

Retrofitting is simple and straightforward. With Supplemental Type Certification (STC) provided under an FAA Approved Model List, we have detailed G500 installation specs for more than 600 models of GA aircraft. See your authorized Garmin installation center to get onboard with this system in your aircraft.

Learn More

The G500 is available for purchase from your Garmin Authorized Dealer. See it in action at an upcoming seminar or in person at a demo dealer location, or experience on your own schedule with our free downloadable simulator

Need help keeping your G500 up to date? Check out PilotPak™ database bundles that are available on a single aircraft basis. They can save you money and help simplify the update process. Visit flyGarmin.com to learn more.

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