

## AVIONICS

### GARMIN G1000 NXi IS THE NEXT GENERATION OF GLASS COCKPITS

The G1000 NXi system takes the legacy G1000 glass flight deck platform to a higher level of performance and capability. It combines added processing power with brighter, smoother high resolution displays and enhanced optional features, including SurfaceWatch runway identification and alerting technology, Connex (Flight Stream 510) wireless cockpit connectivity, HSI mapping on your primary flight display, animated NEXRAD datalink weather and autopilot-coupled visual approaches down to pilot-selectable minimums.



M500 G1000 NXi SHOWN

### CONNECTED AIRCRAFT

The all-digital GMA 350C Bluetooth audio panel provides more functionality in the cockpit, giving pilots the option to wirelessly connect a smartphone or tablet to the audio panel to easily make phone calls or to stream audio entertainment. Additionally, the GMA 350C can be paired with the Garmin Pilot™ or ForeFlight Mobile apps.

Flight Stream 510 wireless gateway, your G1000 NXi system becomes capable of streaming information in real time between your avionics and compatible mobile devices running the Garmin Pilot™ or ForeFlight Mobile apps.

This means you can do advance flight planning on your iPad®, tablet or other smart device — in the comfort of your home or office — and then wirelessly load the data into your avionics once you get to the airport. You can also update databases by simply collecting all that information on your mobile device — and use it to transfer the data to your avionics when you get to the airport the next day.

G1000 NXi's ability to simplify and streamline your piloting workload starts even before you climb into the cockpit. With the addition of an optional

### Flight Stream 510 (Optional)

Assemble all flight information on your mobile device in advance, then wirelessly sync with the cockpit once you get to the airport.

### SurfaceWatch (Optional)

With G1000 NXi, Garmin has expanded its suite of Terminal Safety Solutions with the addition of SurfaceWatch. This feature is designed to further support safe on-airport operations by helping pilots avoid runway incursions or other miscues such as taking off or landing on the wrong runway or on a taxiway. SurfaceWatch can provide runway distance-remaining annunciations, beginning at 5,000' down through 500' remaining.



### HSI MAPPING

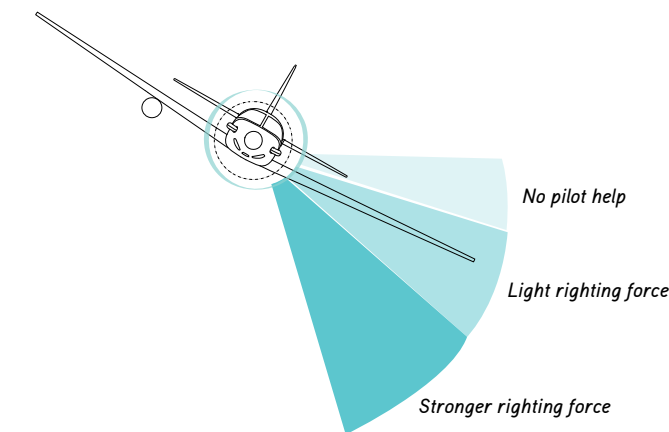
The HSI mapping feature on the G1000 NXi system enables an MFD-like perspective map view to be displayed right in your primary field of view (on the PFD) within the HSI portion of the display in front of you. The detailed graphical landscape helps focus your instrument scan — while allowing you to view mapping, terrain, obstacles, traffic, weather overlays, nav aids, airport diagrams and more. It's a great aid for pilot situational awareness, especially when workload increases for the pilot.

### NEXRAD DATALINK WEATHER

G1000 NXi supports a variety of satellite datalink options — displaying animated NEXRAD imagery, current airport conditions, forecasts, precipitation, lightning, winds and more. Both the U.S. sourced ADS-B network and SiriusXM® satellite weather services can be accessed from the system (SiriusXM subscription and optional hardware required). Plus, an optional Connex satellite link receiver can bring seamless on-demand worldwide weather information to the cockpit for international operations.

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## ENHANCED AUTOPILOT FLIGHT CONTROL SYSTEM (AFCS)



### Electronic Stability Protection (ESP)

Any pilot who's ever been startled in a busy cockpit will appreciate the proactive stability augmentation of the ESP monitoring technology. This feature functions independently of the autopilot system — although it uses the same control servos — to gently nudge the controls toward stable flight whenever pitch, roll or high-speed deviations exceed the recommended limits when the aircraft is being hand-flown.

### Underspeed Protection (USP)

An intuitive flight director function that prevents the airplane from stalling when the autopilot is engaged. If in a stall condition, the system will lower the nose of the aircraft until above stall speed, and then climb to regain the preselected altitude.

### Automatic Level Mode (Blue Button)

Level Mode will return the aircraft to a wings level attitude with zero vertical speed with the push of a button. It will automatically engage the flight director and autopilot functions to return the aircraft to straight and level flight.

### Approach and Landing

With WAAS GPS-based guidance from the NXi system, the GFC 700 autopilot can fly coupled holding patterns. Plus, the NXi series goes even further by adding Visual Approach capability. With this, your system can generate a 3-degree autopilot-coupled vertical flight path down to pilot-selectable minimums to most runways. You can also select vectors or straight-in for the final approach intercept — giving you even more options for accessing the widest possible variety of airfields.