A unique split-screen feature allows side-by-side displays of any two GMX 200 charting functions. In addition, a vertical profile view of terrain and obstructions along the route of flight can be displayed across the lower portion of the screen.

Display features

6.5 inch diagonal color AMLCD

Ultra-high resolution 640x480 (921,600 RGB dots0

65,536 simultaneous colors

Direct sunlight readable

Auto/Manual dimming

Position Source

External GPS via RS-232

Open architecture

Field upgradeable software

4 bi-directional high speed RS-232 ports

1 bi-directional high speed RS-422 port

4 ARINC 429 high/low speed (with Traffic and Radar models)

Physical

5.00 inches high

6.25 inches wide

8.00 inches deep

4.29 lbs. GMX 200

4.44 lbs. GMX 200 I/O

Electrical

10VDC to 40VDC, reverse polarity protected

40 watts typical

Environmental

-20C to +55C operating temp

-55C to +85C storage temp

2 degrees C per minute temp variation

95% at 50C humidity

35,000 feet max altitude

internal cooling, external cooling not required

Certification Candidates

STC for over 500 airframes

TSO-C110a, TSO-C113, TSO-C63c, TSO-C118, TSO-C147

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Once again, Garmin

expands the scope

of "big picture"

situational awareness.

For today's multi-tasking pilots, Garmin unveils the ideal multi-function display.

In busy airspace, pilots look to their multi-function displays (MFDs) as "Information Central" for situational awareness. Here's why:

(1) Positional information: By showing the aircraft's current position in relation to ground features, chart data, navaids, and flight plan route, the MFD gives pilots real-time "big picture" awareness of where they are and where they're heading.

(2) Alerting information: By overlaying inputs from various sensors and tracking systems, pilots can see and avoid hazards from threatening weather, terrain, towers, obstacles or other aircraft in the vicinity. Early awareness makes for better inflight decision-making.

(3) Data integration: By consolidating multiple data sources in one easy-to-read display, the MFD reduces cockpit workload. Pilots can see at a glance the data they need – without sequencing through page after page of individual sensor readouts or navigation screens.

In all three areas of MFD capability, the new Garmin GMX 200 sets the standard for its class. It is the ultimate in safety, security and situational awareness for multi-tasking GA pilots.
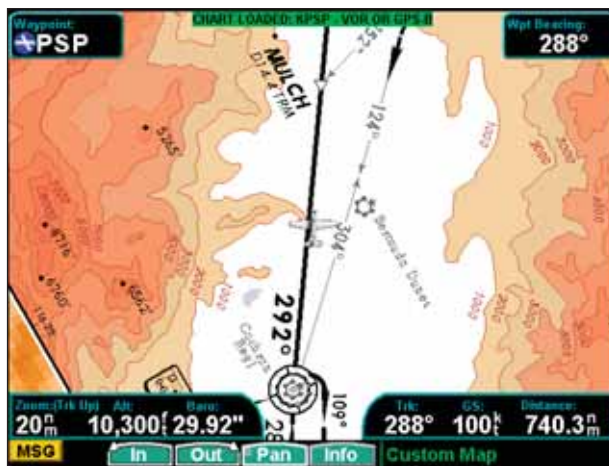
High-resolution color moving map
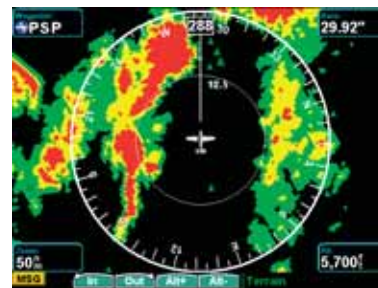
Terrain elevation and alerting

ADS - B traffic

When teamed with Garmin's GNS 480 nav unit, the GMX 200 does even more to streamline flight management. For example, when an approach is selected on the GNS 480, the GMX 200 will automatically load the approach charts for the selected airport – saving the pilot valuable eyes-down time during the busiest phases of flight.
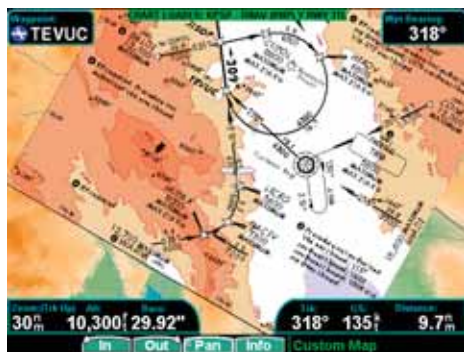
Optional ChartView™ feature takes IFR flight management to a whole new level – accurately overlaying the aircraft position on JeppView approach procedures and airport diagrams. Standard Instrument Departure and Arrival charts (SIDs and STARs) are also provided.

Bigger, better, faster

Building on the success of Garmin's popular MX20™, the new-generation GMX 200™ combines a bigger, brighter display with a number of new interface options to raise the bar even higher.

Extending a full 6.5 inches diagonally, the GMX 200's high- resolution (640 x 480 pixels) color display features a viewing area that is almost 20% larger than other panel-mounted MFD units in its class. Advanced backlighting technology dramatically improves the color and contrast, resulting in chart depictions and images that are brighter and more vivid in all lighting conditions.

At a glance you can see your aircraft's position relative to terrain, obstructions, weather, airways, navaids, restricted airspace and more. By simply pressing a soft key, you can select between several charting options and easily add or remove details. A new rotary knob has been added to allow for quicker map scale changes and entry of data. In addition, a new front-loading SD card slot allows for expanded memory and makes loading updated charts simple and fast. The GMX 200 fits in the same panel space as the MX20 and has more serial ports for added sensor capacity.

More data, less clutter

High-resolution terrain and hydrography data for the entire world comes preloaded on the GMX 200. So, even at the lower zoom scales, there's plenty of detail for navigational reference. The Garmin Base Map, with cities, roads, rivers, and lakes, has been added to further enhance situational awareness. Also, an aviation database featuring Jeppesen® NavData™ is used to depict airports, airways, navaids, airspace and more. Map scales range from one-fourth of a mile to a transcontinental 2,500 miles.

For multi-view situational reference, a unique split screen function on the GMX 200 allows the pilot to simultaneously view two charting options, side-by-side, plus a vertical profile display of terrain elevation along the selected route of flight.

And for safer arrivals and departures, the optional ChartView™ feature lets you confirm your aircraft's position on Jeppesen instrument approach plates and airport surface charts, providing added situational awareness in busy terminal areas. Surface diagrams will be automatically displayed on arrival and departure to assist with taxiing at unfamiliar airports or in conditions of poor visibility. Also, based on the active flight plan, the GMX 200 will auto-matically load the approach plates for the destination airport – so you can quickly select the ATC-assigned approach procedure. For added reference, your aircraft's position can also be overlaid on the electronic approach chart to provide a visual crosscheck inbound.
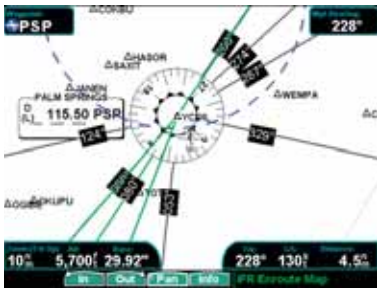
IFR charting feature depicts low and high altitude airways.

Custom map feature allows the pilot to overlay some or all of the GMX 200 features.

Graphical NEXRAD via XM Satellite Radio and GDL 69

Display weather radar and TAWS via ARINC 453 interface.

These ChartView functions and updates for the GMX 200 are available through Jeppesen's JeppView subscription service.

In addition, for near real-time weather alerting via XM Satellite Radio, you can combine the GMX 200 with Garmin's GDL 69™ data link receiver. (XM subscription required.) With this option, graphical depictions of NEXRAD weather, METARs, TAFs, TFRs, winds aloft, echo tops, precipitation type at the surface, lightning strikes, storm cell data, AIRMETs, SIGMETs, etc., can be received and displayed anywhere in the U.S., regardless of altitude. Plus, it's easy to combine animated NEXRAD images with the maximum zoom range of 2500 nm to monitor a nationwide picture of the current weather situation, all on one screen. And for the best in enroute entertainment, the GMX 200 also provides a user interface offering more than 150 channels of XM digital audio programming, when used with the GDL 69A receiver.

Multiple multi-function choices

The GMX 200 is available in four versions: the Standard, the Traffic, the Radar, and the Radar/Traffic models. The GMX 200 Traffic version supports interfaces to Garmin TIS capable transponders and can be connected to select TCAS I and TAS systems. The Radar version can be connected to the GXW 68™ – Garmin's new digital color radar system boasting 6.5 kW of transmit power. With this unit, weather returns can be analyzed in standard horizontal or vertical scanning modes. And the MFD's pushbutton and rotary controls can be

used to operate the range, tilt, bearing, gain, and hold functions for the GWX 68 (As well as a select list o other weather radar devices.) And of course the Radar/Traffic model lets you interface to both weather radar and approved traffic systems.

The GMX 200 is compatible with the Garmin 400/500 series and GNS 480 navigators, GDL 69/69A XM receivers, GTX 330/33 transponders, and GDL 90 ADS-B transceiver – as well as many other manufacturers' GPS navigation equipment. When interfaced with Garmin's popular GPS and VHF nav systems, the GMX 200 provides extra features and levels of convenience that rival those of high-end MFD systems costing many times more. No wonder more and more pilots are making Garmin's GMX 200 their MFD of choice when it's time to upgrade the avionics in their aircraft.

To find out more, give your Garmin dealer a call. Or visit our website at www.garmin.com.