

# IData<sup>®</sup> Map

Fully Integrated 2-D/3-D digital mapping toolkit



IDataMap is a powerful IData<sup>®</sup> module that offers developers the ability to add high-performance and high-fidelity 2-D and 3-D digital moving maps to their displays

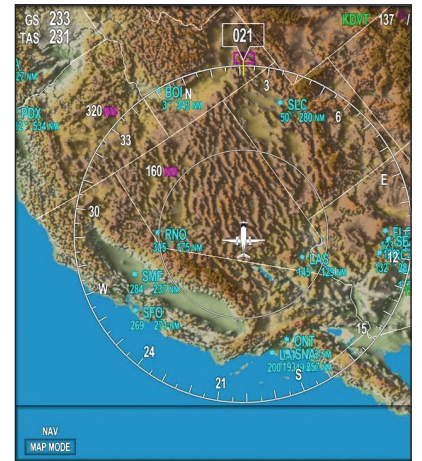
## Advantages

- **Easy to use Interface** – Allows users to easily add an IDataMap application to their display
- **2-D/3-D Terrain Rendering** – Provides users the ability to create 2-D and 3-D map displays
- **Platform Independent** – Runs on any RTOS, processor and GPU combination
- **Navigational and Situational Awareness** – Provides users with the ability to display mission-critical data in real time
- **DO-178C Certifiable** – Certification Kit meets the highest Design Assurance Level defined by the FAA



## Features

- **Superior Performance** – Many optimization techniques in terrain generation for increased embedded performance
- **Map Interactions** – Panning, zooming, rotation; North Up, Track Up, Heading Up
- **Render Obstacles** – Runways and Airspaces in both 2D and 3D map displays
- **Multiple Map Displays** – IData can support more than one map display per application, load multiple map types and switch between maps at runtime
- **Multiple Map Formats** – DTED (0-3), Geotiff, CADRG, satellite imagery
- **Color Banding** – User defined color banding, as well as enable and disable TAWS colors banding
- **Terrain Query** – Ability to query map features
- **Support Multiple Map Formats** – DTED (0-3), Geotiff, CADRG, satellite imagery
- **User Defined Plug-ins** – included are plugins for nav aids and airports. Users can also create their own User defined plugins
- **Multiple Map Overlays** – Can load multiple map types and switch between maps at runtime
- **Multi-instancing** – IDataMap supports more than one map display per application
- **Advanced Symbology** – Create any symbology within IData and associate with IDataMap
- **Support Industry Standards** - Khronos OpenGL<sup>®</sup> SC/ES, DO-178C, AS9100



## Benefits

- **Decrease Development Time** – Coupled with IData, IDataMap's user interface provides developers the ability to quickly and easily add 2-D or 3-D digital maps to a display.
- **Reduce Certification Costs** – IDataMap DO-178C Certification kit eases certification of map displays.
- **Robust Performance** – Optimized terrain rendering allows IDataMap to run on avionics embedded platforms.



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