



TerraExplorer Mobile in Defense and Intelligence

A professional-grade 3D geo-spatial app for viewing, querying, analyzing and editing massive datasets on the go, TerraExplorer Mobile extends the reach of GIS-based mission planning, training, and command and control activities from the office, to the field itself.

As part of the SkylineGlobe enterprise solution for building and serving customized virtual 3D landscapes, TerraExplorer Mobile can stream 3D geo-spatial data from SkylineGlobe and OGC servers, as well as store and access data for offline use. The app offers a comprehensive set of geospatial capabilities, including feature layer streaming and editing, raster layer overlay, measurements, dynamic viewshed and shadow analysis, white board, and more.



Data Fusion

TerraExplorer Mobile seamlessly fuses terrain, feature layers, raster layers, 3D urban models, and 2D and 3D objects into a high-resolution 3D world environment.



Measure and Analyze

Mission plans are often based on information and measurements that turn out to be inaccurate, or require modification as new factors come into play. Access in real time to powerful tools for all forms of 3D world analysis, ranging from distance and measurement to contour and slope maps, and shadow, flood and volume analysis enable the ground forces to promptly reevaluate and adjust the mission plan as required. Versatile and configurable tools for calculating visual exposure (e.g. line of sight, viewshed, viewshed on route) further increase understanding of the terrain and improve decision making.



Online and Offline

View live updates made to the common picture by the Command and Control center, as real-time data becomes available. The app accesses data online, from SkylineGlobe's TerraGate and other OGC compliant servers, or offline, loading local projects created by the TerraExplorer Pro publishing tool.



Command & Control

Using TerraExplorer Mobile's interfaces to Skyline's real time tracking and command and control tools, soldiers can gain a thorough understanding of the surrounding area by visually tracking in real-time their own current position and the movement of friendly assets in relation to prominent features such as roads and bodies of water.



Data Query

With data on all assets in one centralized place, spatial queries can easily be performed to identify the closest location of a required asset, such as the nearest medical facility, platoon headquarters, or ammunition stockpile.



Customizable

Advanced application customization for developers allows editing of the user interface and addition of targeted functionalities using a robust API.



Available on AppStore and
on Google play

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