

TerraExplorer® Comparison Table

Version 7.0.1

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TERRAEXPLORER FAMILY

The TerraExplorer Comparison Table below compares the different capabilities of each of the products in the TerraExplorer family. TerraExplorer family has three types of products:

- TerraExplorer for Desktop A cutting-edge 3D GIS desktop viewer and creator that provides powerful tools and a high resolution 3D environment in which to view, query, analyze and present geospatial data.
 - Viewer Users can navigate through and perform advanced terrain analysis of high resolution 3D world environments created by fusing aerial and satellite photography, terrain elevation data and other 2D and 3D information layers. TerraExplorer Viewer also provides basic editing capabilities, including loading of online 2D and 3D layers as well as selected offline formats.
 - Plus Adds loading of all 2D and 3D offline formats, feature layer editing and querying, advanced objects and drawing tools, a set of tools for professional usage, and the advanced Pro API interfaces.
 - Pro Adds publishing capabilities as well as uploading of data to SkylineGlobe cloud.
- TerraExplorer for Mobile An advanced 3D GIS viewer and editor for Android and iOS mobile
 devices with professional-grade tools for viewing, querying, analyzing and editing massive
 datasets in a high resolution 3D environment.
- TerraExplorer for Web A lightweight 3D GIS viewer that enables you to view high-resolution, stunningly realistic SkylineGlobe 3D content in a web browser, without any plug-ins.

TERRAEXPLORER FOR DESKTOP

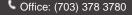
TerraExplorer for Desktop is a cutting-edge 3D GIS viewer and creator that provides powerful tools and a high resolution 3D environment in which to view, query, analyze and present geospatial data. With TerraExplorer's robust and extensive capabilities and seamless interoperability, users can overlay the terrain with unlimited data layers, 3D models, virtual objects and more to create stunningly realistic visualizations.

All TerraExplorer for Desktop products are based on TerraExplorer Pro, with each offering a different subset of TerraExplorer commands.

TerraExplorer for Desktop commands are accessible programmatically either from the standard API or from the ICommand interface. ICommand is an API call that simulates a user click on the TerraExplorer ribbon or menus, activating a TerraExplorer command.

Most operations can be performed by both of the methods. To create a polygon, for example, you can use the Creator.CreatePolygon(...) API to create a polygon and set all the parameters programmatically. Alternatively, you can call ICommand.Execute (1012,5) (the equivalent of clicking Create Polygon on the ribbon). This call opens the Properties Sheet and lets the user add the polygon and set its properties manually, like in TerraExplorer Pro.

A few commands (e.g., Publish Project) are only available via the GUI or the ICommand interface, and not programmatically from the standard API.



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Note: When an online project (from a SkylineGlobe Server) is opened in TerraExplorer Viewer, the API is automatically upgraded to Plus level. Plus level API allows you to utilize all TerraExplorer Plus functionalities using API calls, including the ICommand interface.

TERRAEXPLORER FOR MOBILE

TerraExplorer for Mobile is an advanced 3D GIS viewer and editor for Android and iOS mobile devices with professional-grade tools for viewing, querying, analyzing and editing massive datasets in a high resolution 3D environment. The app can load local TerraExplorer projects as well as access online data from SkylineGlobe's TerraGate and other OGC compliant servers

TERRAEXPLORER FOR WEB

TerraExplorer for Web is a lightweight 3D GIS viewer that enables you to view high-resolution, SkylineGlobe 3D content in a web browser, without any downloads or plug-in installations. Based on the HTML5/WebGL standard, TerraExplorer for Web provides support for multiple platforms and browsers (Windows, Mac, Linux, select mobile devices, Chrome, Edge, Firefox, and more).

TerraExplorer for Web integrates smoothly with the entire Skyline product line for easy access to all your data – from photo-realistic, geographically accurate terrain databases created in TerrainBuilder to PhotoMesh's high-resolution, textured, 3D mesh models. TerraExplorer for Web seamlessly accesses online data from SkylineGlobe's TerraGate and other OGC-compliant servers.



COMPARISON TABLE

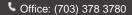
√ – Available in the User Interface and the API

Online – layers from a SkylineGlobe Server

UI – Available only via the User Interface or the ICommand API (not available via standard API commands)

C2MP – Available only in the C2MP extension

Capability	Web	Mobile	Desktop Viewer	Desktop Plus	Desktop Pro
Basic					
3D fly-through	✓	\checkmark	\checkmark	\checkmark	\checkmark
Load Fly and KML/KMZ projects	✓	\checkmark	\checkmark	\checkmark	\checkmark
View objects, layers and features	limited	limited	\checkmark	\checkmark	\checkmark
Save project to Fly, KML and KMZ formats			\checkmark	✓	\checkmark
Create groups and manage Project Tree			\checkmark	\checkmark	\checkmark
Create presentations			\checkmark	\checkmark	\checkmark
Create movie			\checkmark	\checkmark	\checkmark
Search addresses and layers	✓	✓	\checkmark	\checkmark	\checkmark
Change project settings				\checkmark	\checkmark
Collaborate			C2MP	\checkmark	\checkmark
2D and 3D Layers					
Load imagery and elevation layers	\checkmark	\checkmark	Online	\checkmark	✓
Load feature layers	✓	✓	Online + shape	✓	✓
Load point cloud layers	✓		Online	\checkmark	\checkmark
Load 3DML	✓	\checkmark	\checkmark	\checkmark	\checkmark
Load BIM	Limited	Limited	√ View Only	✓	✓
Load OSM map and feature layers	✓	\checkmark	\checkmark	\checkmark	\checkmark
Spatial and attribution queries				\checkmark	✓
Create new feature layer				\checkmark	\checkmark
Edit and update feature layers geometry and attributes		✓		✓	✓
Analysis					
Measurement tools	✓	✓	✓	\checkmark	✓
Terrain analysis tools	Limited	Limited	✓	✓	✓
Shadow analysis	\checkmark	✓	✓	\checkmark	\checkmark



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Capability	Web	Mobile	Desktop Viewer	Desktop Plus	Desktop Pro
Objects					
View 2D and 3D objects	Limited		✓	\checkmark	\checkmark
Add and edit basic objects (label, line and polygon)			UI	✓	✓
Add and edit all 2D and 3D objects				\checkmark	\checkmark
Add and edit advanced objects (Building, Video on Terrain, Terrain Modification, Hole on Terrain and Dynamic Objects)				✓	✓
Advanced drawing tools (Duplicate Objects, Create Pipe Lines, Create Power Lines)				✓	✓
Navigation					
Navigation Map			\checkmark	\checkmark	✓
Underground mode	\checkmark	✓	\checkmark	\checkmark	\checkmark
Navigation tools (GPS tracking, target and Multiple coordinate system)			✓	✓	✓
Indoor editing and viewing			\checkmark	\checkmark	\checkmark
Conversion Tools					
Make CPT				✓	✓
Create raster pyramid				\checkmark	\checkmark
Make XPL					\checkmark
Make 3DML (and 3DMLCreator)					✓
Saving and Publishing					
Publish online kit (desktop, mobile, web)					\checkmark
Publish offline kit (desktop, mobile)					\checkmark
Extract terrain					✓
Upload data to SG cloud					\checkmark
C2MP Tools					
MultiTracking (Cursor-on-Target, Predator, GPS)			C2MP	C2MP	C2MP
FalconView Interface			C2MP	C2MP	C2MP
MilStd2525B Annotator			C2MP	C2MP	C2MP
ACO Import			C2MP	C2MP	C2MP
GRG Creation			C2MP	C2MP	C2MP
Coordinate Marker			C2MP	C2MP	C2MP

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