

TERRAEXPLORER VS CESIUM – COMPARISON TABLE

ABOUT SKYLINE

Skyline Software Systems, Inc. is a leading provider of 3D earth visualization software and services. The company offers a comprehensive platform of applications, tools and services that enable the creation and dissemination of interactive, photo-realistic 3D environments. Skyline has built a “best of breed” set of tools that remain focused on the needs of our customers including flexibility, efficiency and robustness.

TERRAEXPLORER FOR DESKTOP

TerraExplorer for Desktop is a Windows based, 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.

TERRAEXPLORER FOR WEB

TerraExplorer for Web is a lightweight 3D GIS viewer that enables you to view and analyze high-resolution, stunningly realistic 3D content in a web browser, without any plug-ins. The employment of HTML5/WebGL standards allows TerraExplorer for Web to provide support for multiple platforms and browsers. Built on the powerful Cesium open source library, TerraExplorer for Web further extends the core functionality with additional capabilities and enhanced performance.

Capability	TerraExplorer for Desktop	TerraExplorer for Web	Cesium
Basic viewing			
Base terrain (imagery + elevation)	✓	✓	✓
Imagery layers	✓	✓	✓
Elevation layers	✓	✓	-
Feature layers	✓	✓	-
3D Mesh layers	✓	✓	✓
BIM	✓	✓	✓
Point cloud	✓	✓	✓
KML	Full	partial	Partial
Weather elements	✓	-	-
Animation effects	✓	-	-
Offline / online support	offline + online	online	Online
Built-in user interface	✓	✓	-
Navigation			
Play routes/presentations	✓	✓	Partial
Create presentations	✓	-	-
Underground mode	✓	✓	-
Analysis tools			
Distance	✓	✓	-
Area	✓	✓	-
Ground distance	✓	✓	-
Terrain profile	✓	✓	-
Shadow analysis	✓	✓	✓
Viewshed	✓	v7.2	-
Contour map	✓	v7.2	-
Slope map	✓	v7.2	-

Office: (703) 378 3780

Fax: (703) 378 3760

www.skylinesoft.com

Technical Support:
support@SkylineGlobe.com

General Information:
info@SkylineGlobe.com

LinkedIn:
 Skyline Software Systems, Inc.

Youtube:
 skylinesoft

Capability	TerraExplorer for Desktop	TerraExplorer for Web	Cesium
Volume	✓	-	-
Best path	✓	-	-
Flood	✓	-	-
Cross section	✓	-	-
Threat dome	✓	-	-
Comparison	✓	-	-
Feature layer query and editing			
Query single feature	✓	✓	-
Spatial queries	✓	V7.2	-
Attribute table	✓	V7.2	-
Edit attribute data	✓	V7.2	-
Edit geometry	✓	-	-
Add/remove features	✓	-	-
Save to local file (multiple formats)	✓	-	-
Save to online server (WFS-T)	✓	V7.2	-
Search			
Address search	✓	✓	-
Coordinates (Lat/Lon, MGRS)	✓	✓	-

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