

Leica Virtual Explorer™ Server Product Description



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Leica Virtual Explorer™ Server

Overview

Leica Virtual Explorer Server is the gatekeeper when it comes to simultaneously streaming powerful, three dimensional, digital reality to users worldwide over the Internet. Built on state of the art network server software technology, Leica Virtual Explorer Server is designed to quickly and efficiently stream mass quantities of 3D geospatial data to a large Web audience to independently and concurrently perform geographical exploration and analysis. The key features of Leica Virtual Explorer Server are:

- Efficient streaming of 3D terrain environments created by Leica Virtual Explorer Architect over private networks or the Internet
- Optimizing terabytes of geospatial data for efficient streaming to any bandwidth connection
- Supporting large numbers of concurrent users
- Extremely scalable distribution solution
- Data encryption
- Serving as the power plant for Leica Virtual Explorer Collaboration

Also included is a complete administration tool that provides advanced-level administration capability for managing server settings, 3D scenes and user accounts.

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Key Features

Serving 3D Scenes

- 3D terrain streaming over private networks or the Internet
- Efficient handling of mass quantities of geospatial data only limited by disk media
- Streams 3D scenes created by Leica Virtual Explorer Architect without preprocessing of the raw data
- Serves optimized 3D scenes published by the Leica Virtual Explorer DVD extension
- Optimized for any bandwidth connection
- Highly scalable simultaneous connectivity with Leica Virtual Explorer Connections or Leica Virtual Explorer Enterprise
- Supports the collaboration of user navigation, analysis and custom GIS layer propagation with Leica Virtual Explorer Collaboration
- Uses TCP/IP protocols
- Enables SSL (Secure Socket Layer) protocol
- Uses a Certificate Trust List (CTL)
- Works with Fire-Walls and Proxy Servers
- Takes full advantage of multi-processor server hardware
- Fully controlled through the Leica Virtual Explorer Server Administration tool

Server Administration

- Add, remove and manage any number of Leica Virtual Explorer Servers:
 - Limit the number of simultaneous user connections.
 - Control the security level of each server by limiting anonymous users.
 - Configure the server port.
 - Set Log File and Upload Directories.
- Add, remove and manage Leica Virtual Explorer scenes:
 - Set up each scenes owner.
 - Customize the access level of each scene by making a scene public or private.
 - Limit the number of users that can simultaneously access each scene.
 - Configure user account access to each scene.
 - Enable or disable restricted access to each scene.
- Add, remove and manage each server's user accounts:
 - Create accounts by assigning user names and passwords.
 - Customize server administration privileges for each user account.
 - Customize collaboration session hosting privileges for each user account.
- Monitor each server's access to determine the number and identify users in each scene.

Flexible Licensing

Leica Virtual Explorer is a scalable solution that allows any level of data dissemination:

- Leica Virtual Explorer Connections:
 - Each Leica Virtual Explorer Connection acts as a key to unlock one additional simultaneous user to connect to the Leica Virtual Explorer Server.
 - One "a la carte" solution allowing an incremental increase in licensing at any time.
- Leica Virtual Explorer Enterprise:
 - Allows an unlimited number of simultaneous clients to connect to a Leica Virtual Explorer Server within an enterprise to perform 3D spatial analysis.

About Leica Geosystems Geospatial Imaging Division

When building image-based maps, you need reliable measurements and solutions for your entire workflow. So when it has to be right, more geospatial professionals trust Leica Geosystems Geospatial Imaging, LLC to help them collect, analyze, and present spatial information. Leica Geosystems is powering geospatial imaging by putting precise imaging to work. Its broad array of photogrammetry and remote sensing software solutions capture data efficiently, reference imagery accurately, measure and analyze easily and present spatial information, even in 3D. Those who use Leica Geosystems Geospatial Imaging products every day trust them for their precision, their seamless integration, and their superior customer support. Delivering geospatial imaging solutions with precision, integration, and service from Leica Geosystems.

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