

Leica Cyclone 5.5 SERVER

3D point cloud server software for engineers and surveyors

Cyclone SERVER

is a standalone server module that enables individual members of work groups to simultaneously access 3D point clouds, embedded images, and geometric surface models. This provides a powerful environment for collaborative design on large, complex projects and can significantly reduce project execution time.

Collaborative Work Group Access to Leica Cyclone Databases

Each module of the Leica Cyclone 3D point cloud processing software product line is based on a Client/Server Object Database foundation. Cyclone SERVER supports the concurrent connection of up to ten (10) 'client' users to the same data server in a network environment. These clients can be licensees of Cyclone SERVER, Cyclone MODEL, Cyclone SURVEY, Cyclone VIEWER, Leica CloudWorx for AutoCAD, Bentley CloudWorx (distributed by Bentley Systems, Inc), Leica CloudWorx for Intergraph SmartPLANT Review, or Leica CloudWorx for PDMS.

Central Cyclone SERVER for Efficient Database Management

Cyclone-SERVER eliminates data redundancy and

related synchronization issues, frees disk space on workstations, and provides more reliable access in network environments. A dedicated server, administered remotely by authorized users, can serve databases to Cyclone clients on the same network. Workstations with licenses of Cyclone software can also contain Leica Cyclone SERVER licenses, distributing the server load. Cyclone's PC-based server products are effective tools for computers with single or multiple processors.

This server based access environment provides a familiar and compatible data access and management method for organizations already using network distributed applications such as high-end plant design systems.

In addition, Workstation-based Cyclone installations can selectively locate projects in an unshared mode, as opposed to offering all data available for sharing. This offers performance enhancements by relieving the overhead required to support a multi-user access environment to the data. Users have the productivity advantage of this capability whenever they choose and can selectively share the data with their workgroup again at any time.

Integrated Suite of Leica Software Modules

Leica Cyclone consists of an integrated suite of individual software modules, allowing customization for the individual user. Cyclone REGISTER quickly and accurately aligns point clouds captured from different scanning positions to a common coordinate system. Cyclone MODEL is the complete, full-featured tool set of Cyclone software for information extraction and 3D modeling. Cyclone MODEL enables solutions for many applications including plant, survey, and civil engineering. Cyclone SURVEY is a subset of the Cyclone MODEL module and is ideal for surveyors. Cyclone VIEWER is a free, view-only version of the Leica Cyclone software. The CloudWorx family of applications lets users efficiently view and process scan data within specific CAD applications.



- when it has to be **right**

Leica
Geosystems

Leica Cyclone 5.5 SERVER

Features and Benefits

Scalable Configuration

Up to ten (10) simultaneous client users of Leica Cyclone and CloudWorx software products

Leica Cyclone Object Database Client/Server Technology

Fast data processing
Efficient, friendly data management

Fully Integrated

Integrates smoothly into office network
Enables users to store Cyclone databases on a database server and share point cloud data and 3D models
Minimizes or eliminates duplication of database files
Fully integrated with all other Cyclone and CloudWorx modules

System Requirements

Microsoft Windows XP (SP1 or higher), Windows 2000 (SP3 or higher with up to date security patches)
2.0 GHz Pentium® 4 or higher/ Pentium® M Processor 1.7 GHz or higher
512 MB RAM (1GB or more recommended) SVGA or OpenGL accelerated graphics card Ethernet network card, for licensing

Illustrations, descriptions and technical specifications are not binding and may change.
Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2006.
753497enUS - III.06 - RVA