

Datasheet: LFM Server 4.0



LFM Server is the most advanced package for accessing and working with pre-registered laser scan data. Its performance level and degree of functionality are unrivaled. LFM Server recognizes that many enterprises use a number of different CAD systems and scanners. So you can tailor LFM Server to fit within your system.

LFM is hardware neutral and CAD vendor neutral.

LFM handles the laser scan data. You handle your CAD package.

Key features

Points Engine

- Access huge data sets with ease
- Unlimited number of scans can be stored using *Infinite Core™* technology
- Stretch Volume Selection
- Rapid Point Demolition
- Full 32 and 64 bit Support
- Windows 7 Certified

CAD Connectivity

Live CAD-Links to:

- AutoDesk
- AVEVA
- Bentley
- Intergraph
- VR Context

Visit www.lfm-software.com for full details

Productivity

- Work within the *BubbleView™*. - A 360° high resolution intensity image.
- Automatic clash detection – fast, reliable. Clashes displayed in true-to-life *BubbleView™*
- Distance and Diameter measurements within the *BubbleView™*
- Benchmark Referencing
- Rapid Tie point creation and export
- Volume Manager

Rendering

- Perspective and Plan+Elevation mode
- Edge mode for visualising edges of features
- Enhanced colour support

Rapidly create and access project databases of an unlimited size with *Infinite Core™* Technology

At the heart of LFM Server lies *InfiniteCore™* technology. Its unique method of organising laser scan data means that even for the biggest project, every single point of measured scan information can be stored and accessed without compromising on speed.

Open on the input ...

LFM is hardware neutral which means that it can read numerous 3D laser scanning formats, whether it is the latest Z+F Imager series, Faro, Riegl or Leica.

.. and on the Output

LFM is able to interface with most of the major CAD packages. You can bring

laser scan data directly from LFM to your preferred CAD system with a seamless interface.

Automatic Clash Detection

A powerful and reliable clash detection tool displays every interference between a proposed CAD design and as-built laser scan data. The clash module is powerful, efficient and flexible. The user can clash detect the whole site, particular volumes or individual objects. Clashes can be reviewed as a 3D point cloud, as a rapidly accessed volume or using the *BubbleView™* interface.

Smart Demolition tools for Asset Management

Laser scan data can be temporarily demolished so that it does not contribute

to the clash detection process or to reflect changes in the as-built site. This is an important but essential tool that easily allows Owner / Operators to understand and document the revamped asset.

Coloured Point clouds and Coloured *BubbleView™*

LFM Server supports laser scan data which has been captured in colour. This coloured data is reflected in the point cloud and the *BubbleView™*, enhancing this 'true-to-life' viewing mode.

Extensive Measurement Tools

Quickly measure pipe diameters, structures or even distances across multiple *BubbleView™*.