

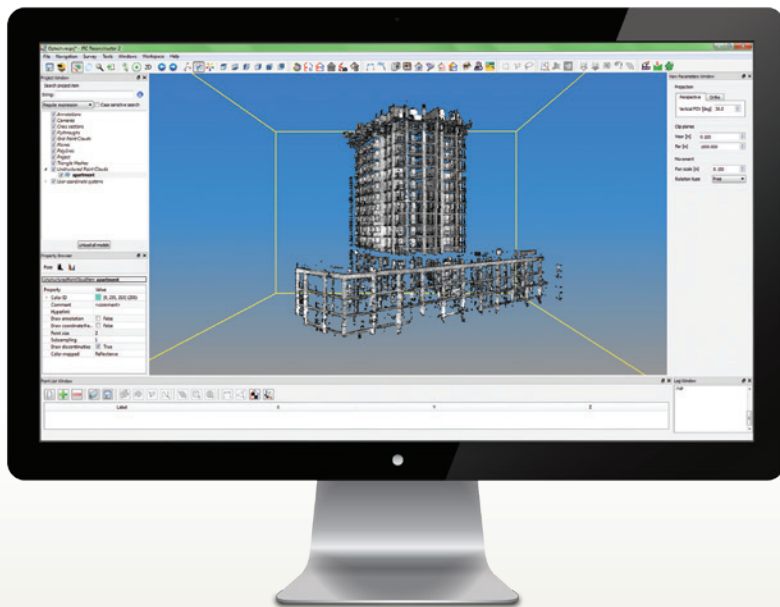
Information Sheet

Features & Benefits

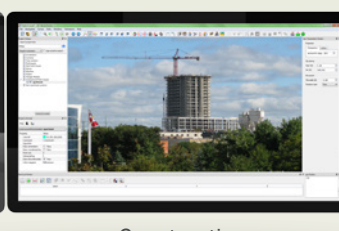
- One package for entire workflow—no need to switch between applications.
- Results available in the field for immediate quality assurance and deliverables.
- Simple interface enables non-technical personnel to use ILRIS with minimal training.
- Updated workflow simplifies and accelerates surveying process.
- User interface automatically adapts to integrate 3_D PanTilt and Motion Control.
- Interactive parsing with immediate feedback reduces guesswork when processing.
- Compatible with E57 file format to fit latest industry standards.

The Optech ILRIS Scan software solution is an all-in-one scanning, viewing, and processing software tool developed for the Optech ILRIS Terrestrial Laser Scanner in partnership with Italian software solutions company Gexcel srl. Combining Optech's powerful, fully functional ILRIS API with Gexcel's geomatics experience, ILRIS Scan provides a single interface for the entire survey workflow, from scanning to processing to data review. With ILRIS Scan, you can make your surveys faster, easier, and more efficient than ever before.

Optech ILRIS Scan comes in four varieties so ILRIS users can select the feature set that best meets their needs. All versions of ILRIS Scan let you edit, filter, align and georeference your point clouds and generate deliverables such as extracted images, measurements, AutoCAD® files and more. If the task requires additional abilities, advanced versions of ILRIS Scan provide specialized tools for specific applications including meshing, crest and toe measurements, and external camera integration. All this means that surveyors can now handle the entire workflow of the ILRIS, from scanning to advanced deliverables, using a single software program and no third-party applications.



Mining



Construction



Civil Engineering

The ILRIS Scan Advantage

Tailored Packages

ILRIS Scan simplifies ILRIS operation and streamlines the workflow, from initial system start-up through to the generation of final data deliverables. To offer the best solution for individual users, ILRIS Scan is available in four distinct packages, each tailored to address a specific need—from a basic scan and process functionality to the complete package of external file importing and camera calibration utilities.



Feature Comparison Table

Feature	Scan Match	Scan Works	Scan Pro	Scan Full
ILRIS control and parsing	●	●	●	●
Import third-party lidar data formats				●
Point cloud filtering and editing	●	●	●	●
Cloud-to-cloud best-fit alignment and georeferencing	●	●	●	●
Bundle adjustment	●	●	●	●
Meshing type 1: Uniform and multi-resolution mesh			●	●
Meshing type 2: Delaunay mesh for building façade			●	●
Meshing type 3: Topographic mesh – DTM		●	●	●
Virtual scan and point-clustering tools	●	●	●	●
Verification tool for planarity and change-detection maps		●	●	●
Point cloud color editing			●	●
External camera calibration and high-resolution texture mapping			●	●
Internal camera calibration tools (CamCal+)				●
Cross-sections	●	●	●	●
Orthophoto, cylindrical and spherical images extraction	●	●	●	●
Orthophoto using high-resolution textured models				●
Linear distances, areas and volumes, link to AutoCAD	●	●	●	●
Tunnelling tools (cross-section)		●	●	●
Cut and fill volumes		●	●	●
Crest and toe extraction		●	●	●
Mesh border edge detection			●	●
Annotation and hyperlink to external file	●	●	●	●
3D model fly-through video generation	●	●	●	●