Leica Infinity

The bridge between field and office



NEW PERSPECTIVES FOR YOUR PROJECT

Discover a new dimension in survey office software. Leica Infinity not only allows you to process complex structures with absolute precision, it is above all your key to simple access to the worlds of 3D data processing. Three-dimensional data sets recorded in the field – and even multiple scans – can now be displayed on your desktop, edited more rapidly than ever before and integrated with other survey results – for faster decisions in projects.

NOTHING BEATS ANOTHER CHECK

Leica Infinity is designed to provide you with instant access to all aggregated raw data at all times and lets you combine and cross-check them against processed or archived data and survey results with only a couple of clicks. Your survey crews in the field are kept on the ball by data transfer when it comes to expanding or reducing the survey schedule, response times and decisions are made faster and bring new levels of project-efficiency.

REPORT AND ARCHIVE YOUR RESULTS

No matter how complex your survey is, it is important to be aware for the state of the project. Leica Infinity offers you all the tools to document and report on individual steps and final results, no matter for how long your project lasts. All your data, processed results and deliverables are contained in your project and are accessible whenever you need. For more transparency of the decisions you have taken.

PART OF HEXAGON

- when it has to be **right**

Leica Geosystems

Leica Infinity Office Software

MODULE	FEATURE
Home (Infinity Basic)	Data import of standard formats: Captivate / SmartWorx, SkiASCII, ASCII, XML, DXF/DWG, SHP, PTS/PTX, LAS/LAZ
	Data export of standard formats: Captivate / SmartWorx, ASCII, XML, DXF/DWG, SHP, KML/KMZ, PTS, e57, LAS/LAZ
	Full 3D data visualisation in a single project view of all data for easy content awareness and navigation
	COGO tools to measure and compare data
	Data reporting of project data and processing results, archived within a project
	Field to office workflows for stakeout field jobs, with reports and definable tolerance flags
	Images to Link / Unlink images for points, lines, areas
	Coordinate system management and tools
	Manually georeference images to display in a project or for export to field sensors
	Integrated data service Leica Exchange allowing data to be sent and received direct from the field or office
	Integrated service Hexagon Imagery Program to clip image tiles as georeferenced images
	Direct viewing of project data in Google Earth
Features (Infinity Basic)	Field to office workflows with automated feature code processing with blocks and styles
	Feature coding tools to create and edit thematic information including 2d/3d symbols
	Create or manage points, lines, areas from user created data, from point clouds or from field data
	Define features for export to CAD
Processing TPS (Optional)	TPS station setup tools – create or edit TPS stations for orientation and position updates
	TPS sets of angles / Reduced measurements tools to support further point calculations
	Traverse adjustments – build or edit field generated results and automatically update connected measurements
Processing GNSS (Optional)	Process single or multi frequency GNSS raw static and kinematic observation data including event data
	State of the art multi frequency processing engine for determining the most reliable and accurate solution
	Complete GNSS data analysis tools: interval views with cycle slips, SNR and full baseline residual plots with statistics
Processing Level (Optional)	Manage level lines – edit lines, define start and end points, join or split lines
	Process level lines – generate reports, edit or reprocess in the office including staff corrections
	Network adjustments 1D – support for complete levelled height networks
Surfaces (Optional)	Full 3D surface computation from individual points and point clouds
	Surface tools to constrain and manage the surface mesh
	Precise volume calculation of stockpiles, surface to surface or to a defined height
Scanning (Optional)	Create scan groups for organising and working with point clouds
	Point cloud measurements for comparison and checks
	Point cloud cleaning tools
Imaging (Optional)	Organise and view images in viewer, link images to features
	Create image groups for organising and working with image data
	Compute points from images taken from TPS stations
Adjustments (Optional)	Network adjustments – free or constrained network computations of all observations
	Full 3D, 2D and 1D computations and ability to combine 2D + 1D
	Compare / Manage network runs before storing the best possible set of consistent coordinates

SYSTEM RECOMMENDATIONS		
Operating System	Microsoft Windows 7, Windows 8, Windows 10 - 32 / 64 bit	
Hardware	**Minimum**	**Recommended**
Display	1024 × 768	Dual 1900 × 1280
Input	Keyboard, mouse with wheel	
Processor	Dual core 1.8 GHz	Multi-Core 2.4 GHz or better
RAM	2 GB	8 GB or greater
Disk storage	5 GB	500 GB or greater
Graphics	Direct X9 compatible	
	512 MB	Discrete Graphics 2 GB or greater

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