

# Leica Captivate Datasheet



Leica Captivate is a user-friendly and customisable surveying field software that helps you tackle any measurement task. Whether collecting, viewing or sharing data, everything is done in one software with precise 2D views, 3D models and easy-to-use apps. Leica Captivate's industry and task-focused apps are designed for a range of measurement applications with Leica GNSS smart antennas, Total Stations and MultiStations, and the Leica AP20 AutoPole. In addition to enhancing the efficiency of data collection and use, Leica Captivate also empowers collaboration by supporting industry standard formats and data sharing via numerous cloud services.



## Prepare & Connect

Integrated cloud data services, support of industry data formats, and easy to use visualisation and preparation tools all combine to ensure you have the latest project data and the required data insight to be ready for any measurement task.



## Measure & Stake

Measure easily and effectively with powerful coding, advanced collection, customisable displays, and 3D visualisation. Stake points, surfaces, lines, and alignments faster with clear graphical and audible guidance, automated routines, and tailored workflows.



## Process & Report

Onboard computations, real-time comparisons, and data analysis allow you to create results in the field. Create quality assurance and project documentation with the ability to produce reports for all apps, data, and tasks.



## Share & Deliver

Create deliverables in one of the predefined formats, or present your data your way, with customisable stylesheets. Share your data, exports, and reports at any stage to deliver high-quality results using integrated cloud data services.

[leica-geosystems.com](http://leica-geosystems.com)



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# Leica Captivate Software

## FEATURES

|  |  |
|--|--|
| Stunning 3D viewer                           | <ul style="list-style-type: none"> <li>Visualise and interact with measured, imported, and control data from multiple sources</li> <li>View live stream imagery, from a camera feed or WMS, with data overlay</li> <li>Full 3D view control (including zoom, pan, orbit, windowing, and profile views)</li> </ul>  |
| Consistent user interface                    | <ul style="list-style-type: none"> <li>Swipe and tap to switch jobs, choose apps, and interact with the software</li> <li>Customise your views, options, and home-screen</li> <li>System-wide fluid transitions, animations, and graphical assistance</li> </ul>   |
| Clear status information                     | <ul style="list-style-type: none"> <li>Real-time status information always displayed</li> <li>Additional information and common functions available with a simple tap</li> <li>Warnings, notices, information, and updates flagged directly on screen</li> </ul>   |
| Job and data management                      | <ul style="list-style-type: none"> <li>Create, manage, import, export and send jobs quickly and easily</li> <li>Support of common, and specialised formats (including IFC models, DWG/DXF, XML, ASCII)</li> <li>Create custom exports with stylesheets to deliver data in virtually any style</li> </ul>   |
| Online connectivity and extensive assistance | <ul style="list-style-type: none"> <li>Utilise internet connectivity to offer data transfer, GNSS corrections and customer support. Including GeoCloud Drive, Leica ConX, BIM 360 Docs, FTP, WMS, WFS, Hexagon SmartNet, and Active Assist</li> <li>Over 50 "how-to" videos, self-paced online training, worldwide support and local quick guides</li> </ul>           |
| Fully control the work method and quality    | <ul style="list-style-type: none"> <li>Settings to allow full customisation of how you work and what you see, including the ability to define measurement style, onscreen information fields, data visibility and limits</li> <li>Fully customisable quality parameters to ensure all work fits the required standard</li> </ul>                                       |
| Variety of sensors and collection routines   | <ul style="list-style-type: none"> <li>The same user interface is used for Leica Viva and Nova total stations, MultiStations, and GNSS sensors</li> <li>Collect data with any supported/connected sensor and utilise a range of efficient and effective data collection routines, such as auto points, offsets, hidden points and scanning</li> </ul>                  |
| Powerful coding and linework                 | <ul style="list-style-type: none"> <li>Extensive coding and linework options to allow CAD ready data to be collected directly in the field (including auto coding, multi coding, lines, splines, arcs, circles, rectangles, and offset lines)</li> </ul>   |
| Extensive stake routines                     | <ul style="list-style-type: none"> <li>Stake points, lines, DTMs, or alignments (directly, with offsets and with multiple elevations)</li> <li>Clear and customisable 2D, 3D or directional-based stakeout graphics and instructions</li> <li>Stake "the way you want to" with customisable display fields, easy selection and optional automatic behaviour</li> </ul> |
| In-field computations                        | <ul style="list-style-type: none"> <li>COGO options including inverse, intersection and area division</li> <li>Live surface and volumes computations (including 3D point cloud data), plus a powerful shift, rotate and scale routine</li> <li>Inspect Surface routine to compare surfaces against each other, point clouds, models or designs</li> </ul>              |
| Additional common apps                       | <ul style="list-style-type: none"> <li>Including Alignment Editor, Determine Coordinate System, GS Base Setup, Hidden Point, Measure Foresight, Measure Sets, Quick Ground, Rail, Reference Plane, Road, TS Setups (including known backsight, set orientation, resections, height transfers and auto setup), Traverse and Tunnel</li> </ul>                           |
| Plus much more...                            | <ul style="list-style-type: none"> <li>Such as, additional "localised" apps and tools from a worldwide network of software development centres including Compaction Control, Inventory, Pipeline, Seismic Stakeout, Stakeout Auto Points, TPS Monitoring, TPS Survey Streaming and Trig Levelling</li> </ul>   |

\* Please see your local Leica Geosystems representative for a full explanation of available features, tools, and apps

## DEVICE CATEGORY

## SUPPORTED DEVICES

|  |   |
|--|---|
| Devices on which Leica Captivate is accessible | <p><b>Controllers:</b> Leica CS20, Leica CS30, Leica CS35</p> <p><b>Total Stations:</b> Leica FlexLine TS10, Leica TS13, Leica Viva TS16, Leica Nova TS60</p> <p><b>MultiStations:</b> Leica Nova MS60</p> <p><b>Other Windows 10/11 Tablets/PCs:</b> Devices fulfilling the minimum requirements of OS Windows 10/11 64 bit, Dual core Processor 1.1GHz up to 2.4GHz, Memory 4GB RAM, 64 GB eMMC storage, and Bluetooth v4.2 (tested and verified devices include Leica iCON tablets, Getac T800 G2, and Juniper Mesa 3)</p> |
| Devices supported by Leica Captivate           | <p><b>GNSS Sensors:</b> Leica GS07/08plus, Leica Viva GS10/14/15/16/25, Leica GS18 T, Leica GS18 I</p> <p><b>Total Stations and MultiStations:</b> Leica FlexLine manual total stations, Leica TS13, Leica Viva TS11/15/16, Leica Nova TS50/60, Leica Nova MS50/60, numerous legacy Leica total stations and selected 3<sup>rd</sup> party manual total stations</p>  |

\* Please see your local Leica Geosystems representative for a full list of supported sensors/equipment

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