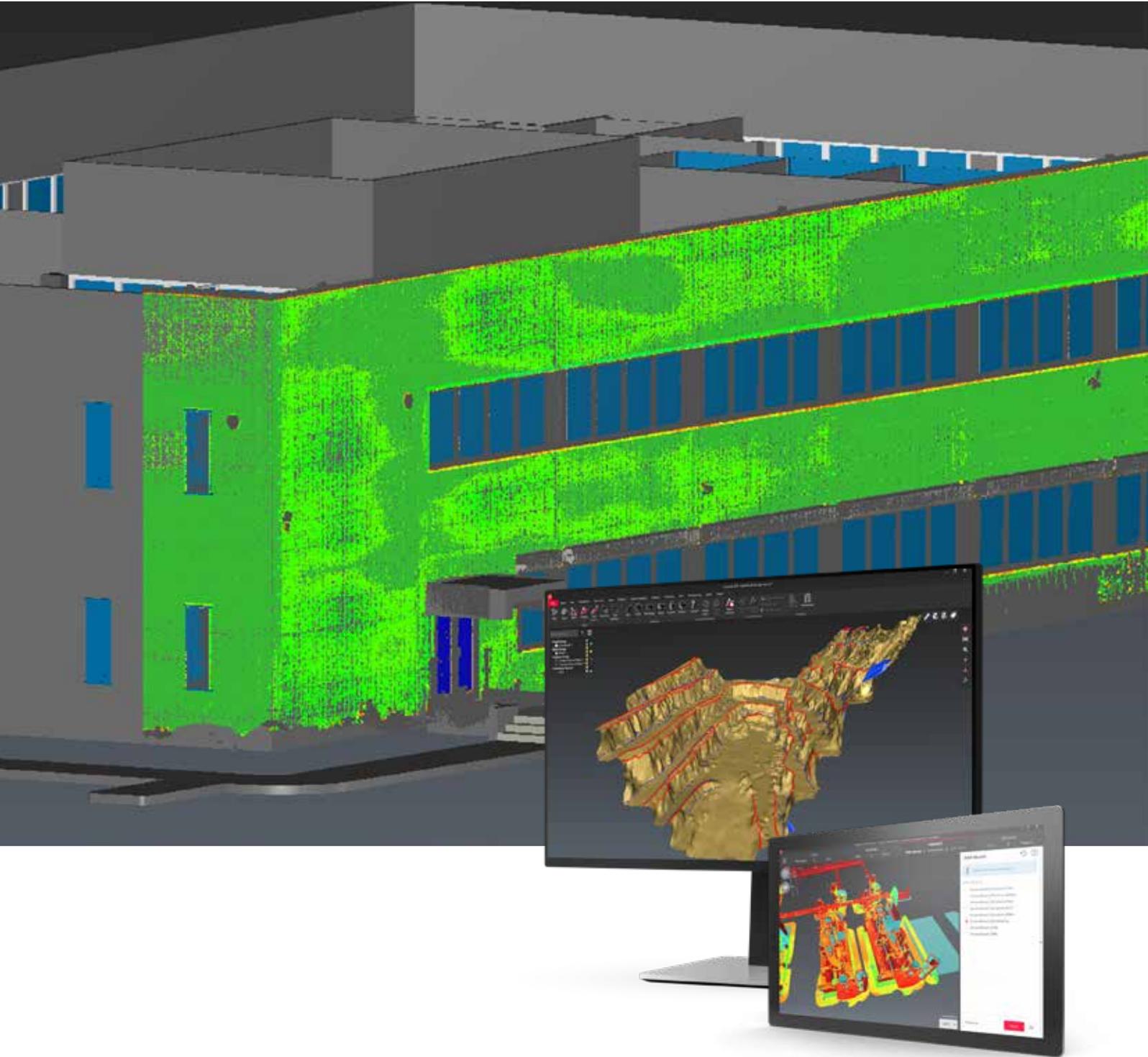


Leica Cyclone 3DR Touch Mode FAQ



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Leica Cyclone 3DR Touch Mode

Questions & Answers with Yannick Stenger, Leica Cyclone 3DR Product Manager

Q: | What are the main benefits of Cyclone 3DR Touch Mode?

In addition to Cyclone 3DR desktop mode, Touch Mode is available for in-field applications. These are the main benefits of Touch Mode in the field:

- Easier: Touch-friendly, guided workflows, simple-to-use
- Faster: Get quick deliverables to assist with rapid decision making in the field
- Richer: Adding notes to the data is a new feature within Cyclone 3DR Touch Mode to leverage report contents

Q: | What's the main difference between Cyclone 3DR desktop mode and Touch Mode?

Cyclone 3DR Touch Mode is a new touch-friendly interface that is embedded within the Cyclone 3DR product.

Both desktop and touch modes are part of the same application. Touch Mode is an additional interface to allow users to conduct a handful of complete workflows on construction sites via simple tablet-based interface to create reports directly on site and allow for rapid decision making.

The purpose of Touch Mode is to provide guided field-friendly workflows to get deliverables as soon as possible.

Q: | What motivated Leica Geosystems to create this new touch interface?

- Offer a flexible and field-friendly solution with Cyclone 3DR capabilities
- Bring the flexible power of Cyclone 3DR from desktop to touch devices
- Meet requirements of our customer's demanding schedules
- Deliver accurate results faster without sacrificing accuracy

Q: | Who is Touch Mode intended for?

- Existing Cyclone 3DR users that need to deliver jobs in the field (NO NEW LICENCE is needed!)
 - The first construction workflows are compatible with AEC and Pro licences
- Surveyors, Facility Managers, Civil Engineers, QA-QC Experts and more!
- Potential users that are looking to join the reality capture ecosystem

Q: What is the price of Cyclone 3DR Touch Mode?

Touch Mode is part of the Cyclone 3DR product. No additional licence needs to be purchased.

Touch BIM Inspection workflow is available through AEC and PRO Editions.

Q: What are the recommended tablet specifications for Cyclone 3DR Touch Mode? Can it run on an iOS or Android device?

The recommended specifications for optimal performance of Cyclone 3DR Touch Mode are:

- Windows® Surface PRO – i7 processor – 16GB RAM (recommended)
- Cyclone 3DR Touch Mode can run on the Leica CS35 tablet computer
- For the BIM Inspection workflow, the point cloud limitation is 30 million points (obtained by sub-sampling), which is more than enough for a field application
- Reminder: Cyclone 3DR Touch Mode is not a mobile application (it doesn't run on iOS or Android)

Q: What kind of applications are possible in Cyclone 3DR Touch Mode?

Many applications such as building construction, facility management, tunnel and infrastructure and more are possible in Touch Mode immediately with more to follow in future releases.

You can compare your captured scan data to your design model to create heatmaps and a full report:

- BIM Model / As-Built Comparison
- Elevator Shaft Inspection
- Progress Monitoring
- Surface Analysis
- Wall Plumbness
- Clash Detection / Anti-Clash Analysis
- And many more!

Q: Is it possible to directly import an IFC/RVT file into Cyclone 3DR Touch Mode?

A preparation file including one design model is required, which is useful for pre-checking the BIM model and benefiting from new features in Cyclone 3DR desktop prior to completing field applications.

However, users can run Cyclone 3DR in Desktop mode on their tablet, desktop, import a BIM model and directly launch a new Touch BIM Inspection with all steps taking place in the field.

Q: What methods are available for bringing point cloud data into Cyclone 3DR Touch Mode?

The two following features are part of the 2021.1 release:

- Cyclone 3DR Touch Mode is designed to work with the ScanStation P-Series data field-registered with Cyclone FIELDWORX
- Users who wish to complete end-to-end jobs in the field for RTC360, BLK360 and BLK2GO should proceed with transferring data either from Cyclone FIELD 360 or directly from the laser scanner into Cyclone REGISTER 360 running on the same Windows tablet
- A direct connection to Cyclone FIELD 360 is part of future developments.

Q: How many scan positions can be imported at the same time?

For the direct connection from Cyclone FIELDWORX, 1 Model Space at a time can be loaded per the Cyclone FIELDWORX workflow.

If using a local file (E57, LGS, PTS), all the scan positions of the file are imported, however the file may be decimated depending on the total point count of the file.

Q: When might a user switch from Touch to Desktop?

Switching from Touch to Desktop mode is a way to benefit from many advanced features, such as:

- Create UCS
- Define customised gradient
- Create 3D PDF report
- Benefit from other cleaning tools and much more!
- Additionally, the user may switch back to desktop mode to complete the workflow with other tasks in the office after the job on site.

Q: Should the tablet device be online to run Cyclone 3DR Touch Mode?

An online connection is not required, however an internet connection is necessary to enable a valid EID via CLM.

Alternatively, users may complete the license transfer process (if necessary) before leaving the office by:

- "Borrowing" the licence from a licence server
- Re-host the licence and re-locate the EID to the tablet

Q: How frequent will updates be released?

- Updates are common for both desktop and touch modes
- Cyclone 3DR benefits from minor releases every month including bug fixes. Two major versions including new features are released each year.
- A new auto-update feature was released with the 2021.1 version so users will always be aware of the latest updates

Q: What tips do you recommend when using Cyclone 3DR Touch Mode?

- Create and apply user defined UCS
- Enable the Limit Box
- Navigate via the workflow ribbon
- For more information, please refer to the [How To Guide](#)

Q: Are training materials available for Cyclone 3DR Touch Mode?

Various training materials can be used to practice Touch Mode:

- [Cyclone 3DR Website](#): Tutorial guide and samples
- YouTube Channel: [Touch Mode](#) playlist
- [Online Learning Programme](#): "Fundamentals" course released in April 2021

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