

Leica Cyclone FIELD 360

View. Check. Add.



View

As part of the Leica Geosystems Reality Capture 360 solution, the high-performance Leica Cyclone FIELD 360 mobile-device app is the perfect field companion for the Leica RTC360 3D laser scanner, as well as the Leica BLK360 imaging laser scanner. With its intuitive user interface, remote scanner control and on-site point cloud display, navigation is a breeze - even for novice users - with full imagery and point cloud data delivered directly to your tablet or smartphone using edge computing technology.



Check

Direct data access and visualisation are the foundation for quality control in the field; with Cyclone FIELD 360, automatically pre-registered point cloud data enables users to quickly conduct on-site quality control checks, improves productivity and makes for better-informed decisions in the field. Furthermore, directly publish your captured data from Cyclone FIELD 360 to Leica TruView Cloud to quickly exchange project information between the office and the field prior to import and registration.



Add

For improved registration in Leica Cyclone REGISTER 360 post-processing, and to add extra value and information to 3D data, Cyclone FIELD 360 enables on-site tagging of measurements, videos, images, text or voice files to the point cloud geometry simply by using your tablet or smartphone.

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- when it has to be **right**

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Leica Cyclone FIELD 360 Product Specifications

GENERAL

iOS or Android app	In-the-field app for remote scanner control, data management, quality control, data tagging and automatic pre-registration on-site
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SCANNER CONTROL

Remote scanner control with access to all control features
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DATA MANAGEMENT

Create, edit and delete scan jobs

DATA COMMUNICATION & TRANSFER

Communication	Bi-directional wireless communication between scanner and tablet
Transfer	Automatic transfer of scan data from scanner to tablet; automatic synchronisation of all app created data from tablet to the RTC360
Publishing to TruView Cloud	Direct publishing for communication between in-field team members and office team members to quickly exchange project information prior to import and registration

QUALITY CONTROL

Point cloud navigation	Navigate single and registered point clouds in 2D map view, 360° panoramic view or in full 3D view. See Live Scanner Position (RTC360 only).
Point cloud display	Display point clouds in full HDR colour, rainbow intensity or grey-scale mapping
Measurement	Take and tag measurements within the point cloud

DATA TAGGING

Add image, video, voice, text or any other file-based tags to point cloud

PRE-REGISTRATION

Auto alignment	Visual Inertial System (VIS) technology based automated alignment of RTC360 scan setups for targetless cloud-to-cloud registration
Visual alignment	Move and rotate scan setups for a quick visual alignment for cloud-to-cloud registration

INTEROPERABILITY

Sensor hardware	Leica RTC360 laser scanner & Leica BLK360 imaging laser scanner
Cyclone software	Leica Cyclone REGISTER 360 1.6 (or higher) or Leica Cyclone 9.4 (or higher) to support data import. Requires active Cyclone REGISTER or Cyclone REGISTER 360 (incl. BLK Edition) licence for activation.
TruView Cloud publish	Requires active TruView Cloud subscription

SYSTEM REQUIREMENTS

Platform	Android tablet computer or phone running on Android 7.0 or higher on 64-bit arm architecture with 64-bit operating system and at least 3 GB of RAM, e.g. Samsung Galaxy Tab S4, Samsung Galaxy S9, S9+, S10, S10+ and Leica BLK3D with image capture. Apple iPad tablet computer or Apple iPhone running on iOS12 or higher with 64-bit operating system and at least 3 GB of RAM, e.g. iPad Pro with 10.5" screen and iPhone XS, XS Max, 11, 11 Pro, 11 Pro Max.
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ORDERING INFORMATION

Contact your local Leica Geosystems representative or an authorised Leica Geosystems distribution partner.
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Leica RTC360 3D laser scanner and Leica Cyclone FIELD 360 mobile-device app.



Leica BLK360 3D laser scanner and Leica Cyclone FIELD 360 mobile-device app.

Can be downloaded from Google Play Store and Apple App Store.



Leica RTC360
Data Sheet



Leica Cyclone
REGISTER 360
Data Sheet



Leica BLK360
Data Sheet

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