

BLK360



Leica BLK360 Questions & Answers

Vers. 11.01.2017



- when it has to be **right**

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Geosystems

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”What is it?”

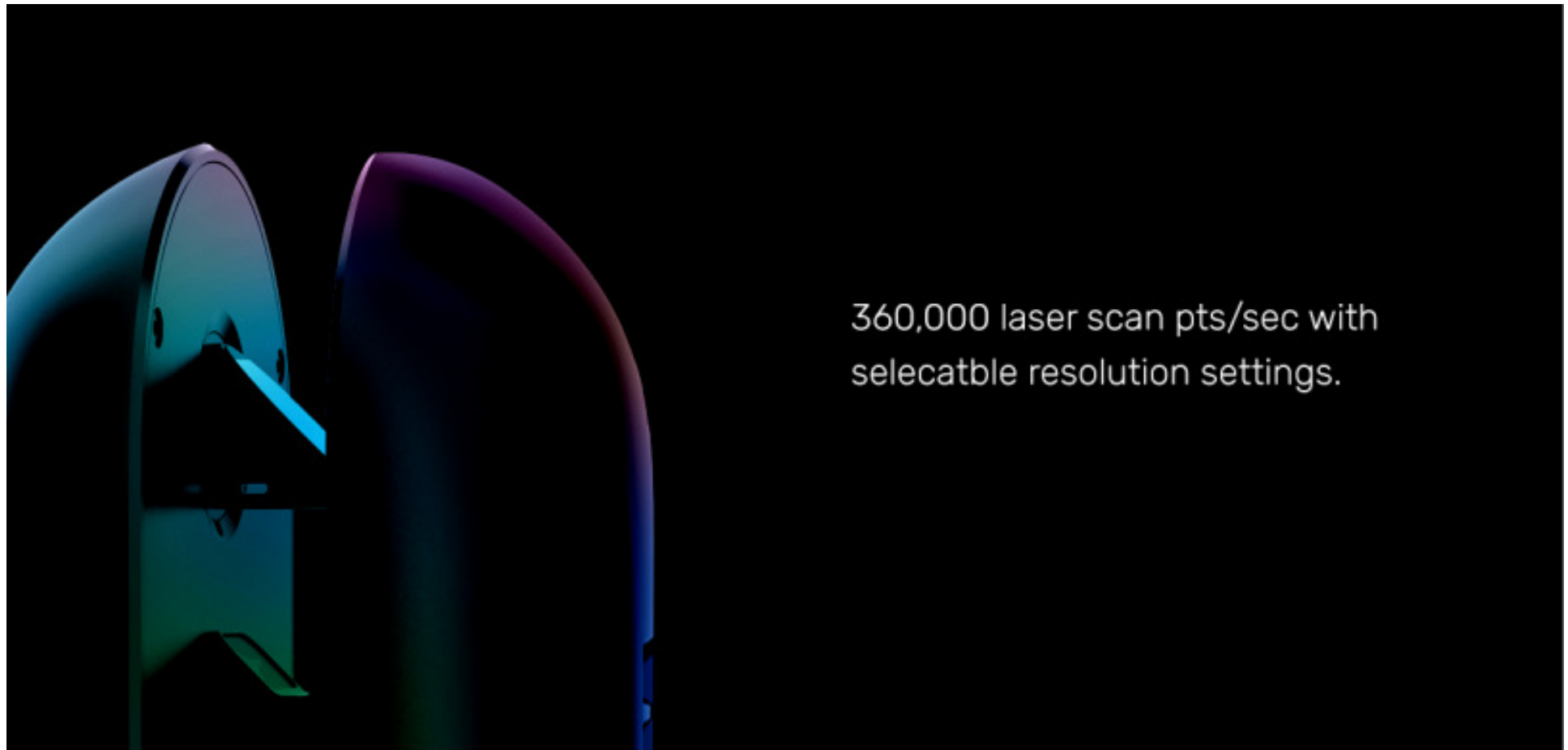
BLK360

A NEW, SIMPLE WAY
TO CAPTURE REALITY.



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"What is it?"



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”What is it?”

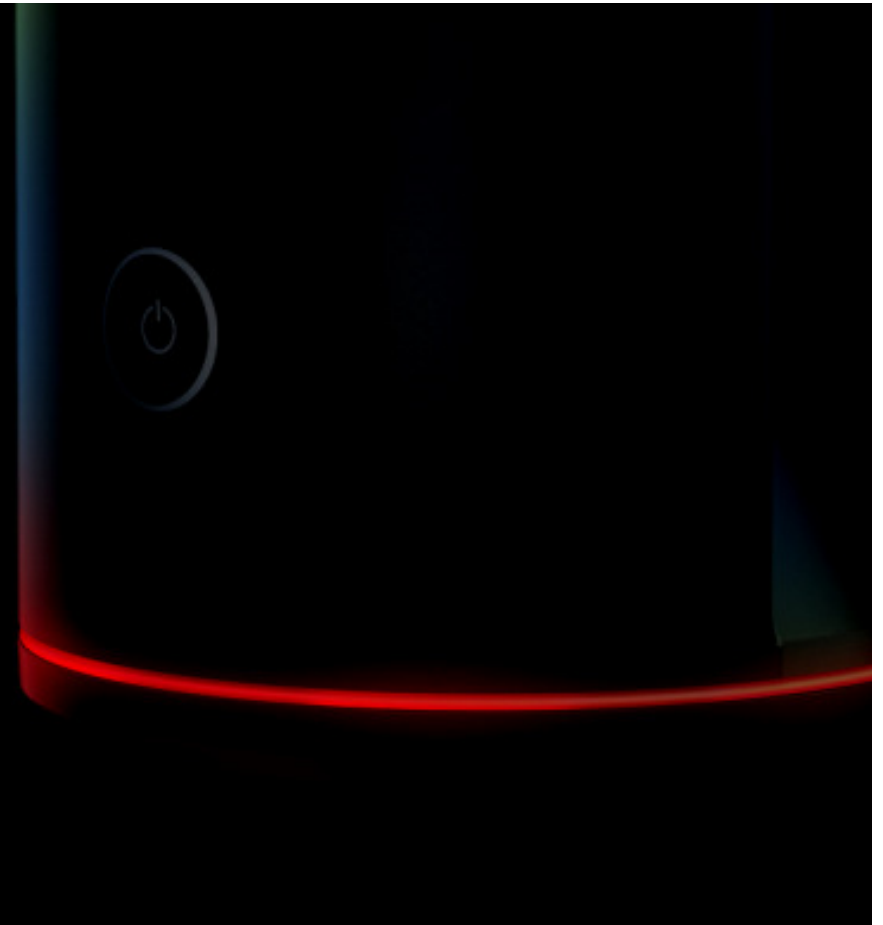
Calibrated full spherical image,
LED flash support



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”What is it?”

Less than 3 minutes for full 360° capture



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A new, simple way to capture reality

Speed

On-the-fly image and point cloud processing in the field

Portability

This small, lightweight scanner fits in a messenger bag, giving you the flexibility to scan wherever, whenever.

Ease of Use

Push-button scanning that's automatically registered in the mobile version of ReCap Pro for mobile

Cloud Connectivity

Sync with the cloud for better collaboration with laser scan data

Simplified Data Collection

With two-in-one 360° image documentation and laser scan data

Interoperability

Connect reality capture data to Autodesk's design solutions.



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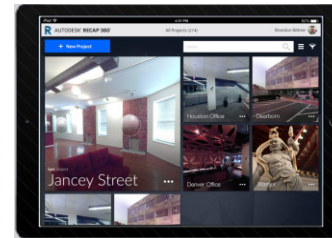
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Product Overview - Hardware



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Product Overview - Software



ReCap Pro for mobile



ReCap Pro

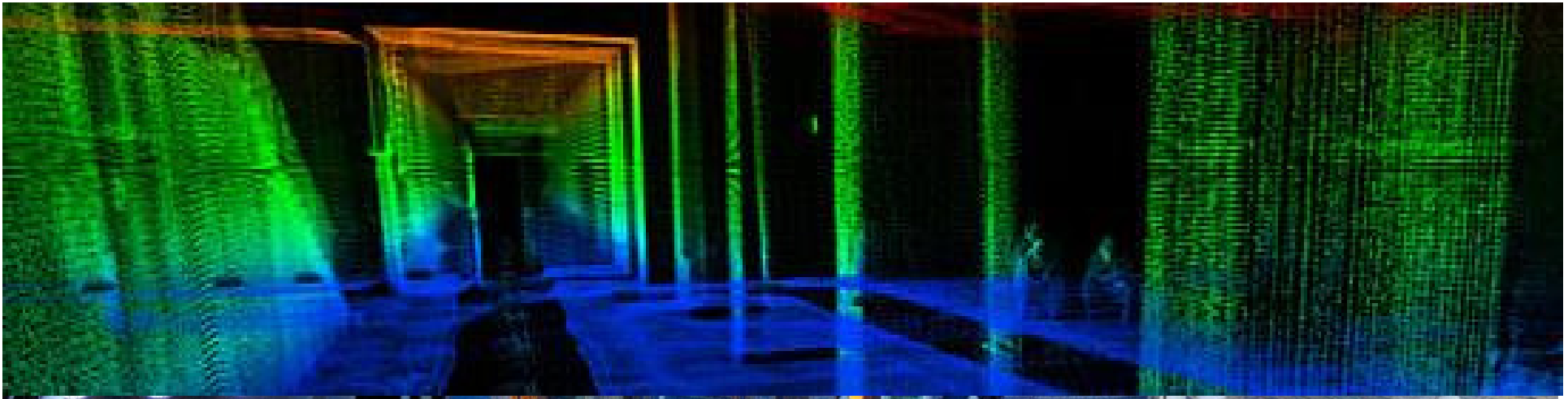
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What Applications is it designed for?

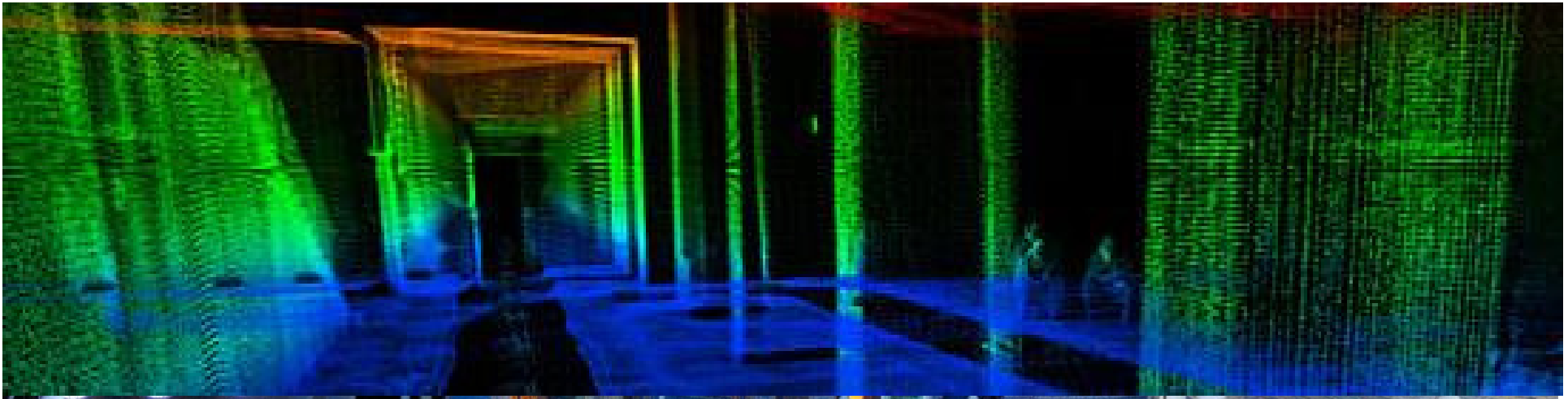
- “Reality Capture” imaging/scanning applications at close ranges
- “Image first” approach / 3D data in the background



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What Applications is it designed for?

- “Reality Capture” imaging/scanning applications at close ranges
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What Applications is it designed for - Examples



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Questions & Answers

“What do I get if I buy one?”

- Standard delivery package
- Additional Accessories
- Accessories Package



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Standard Delivery Package



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Standard Delivery Package



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Standard Delivery Package



**BLK360
Imaging Scanner
with protection hood
and floorstand**



Battery



**Battery
Charger**



**- Quick Guide
- Certificate
- 12 mths warranty**



**Autodesk
ReCap Pro for mobile
12 mths subscription**

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Accessories – Protection Cover

- “T2” Style
- Protection
- Carrying Handle
- Integrated Floorstand



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Accessories – Transport Bag

- “Messenger Bag” style
- “Medical bag opening” for better access
- Space for BLK360 plus accessories, including iPad pro and Tripod



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Accessories - Tripod

- Fits into BLK360 bag
- Max height 130 cm
- Less than 1kg
- Quick leg extraction



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Standard Accessories Package



BLK360 Bag



BLK360 Tripod



2 Batteries
+ Charger

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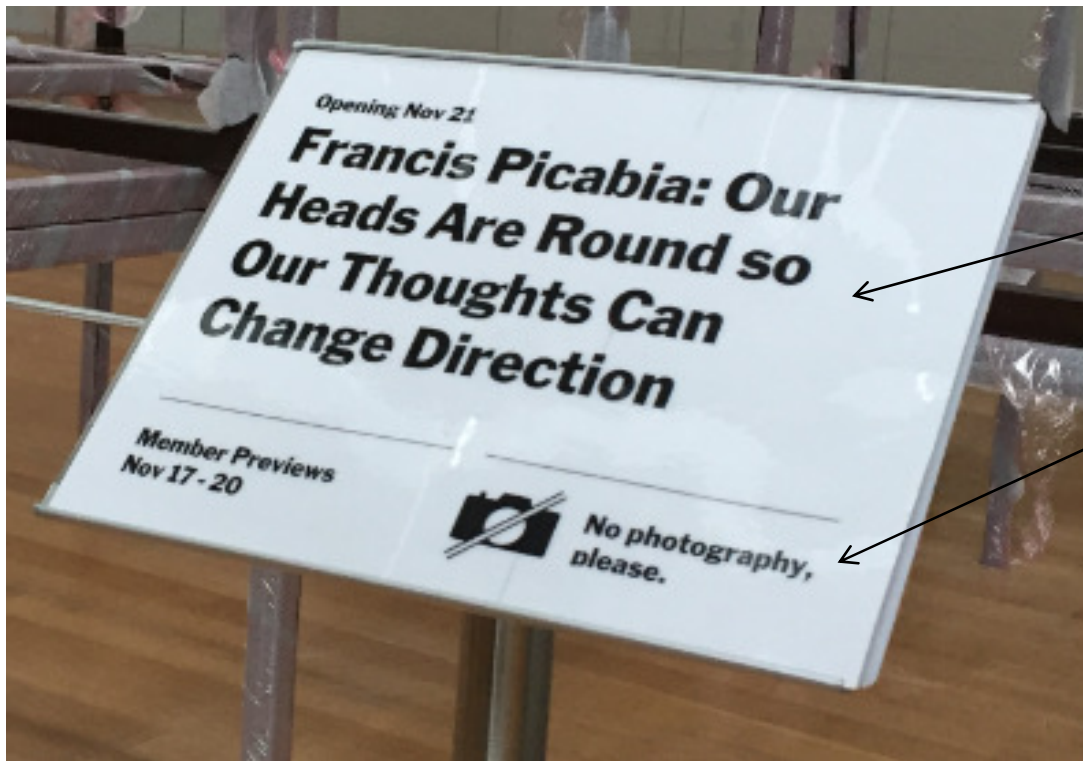
”How can it be so small and light?”

It has been done before...



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”How can it be so small and light?”



*“Think out of the box
&
break some rules”*

*(Simon Mark,
Project Manager BLK360)*

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”How can it be so small and light?”

- “Reduce to the max”, e.g.
 - Control is via external tablet, means no display
 - Data transmission is purely wireless, means no cable connectors
 - Heat is dissipated via metallic covers, means no active cooling system
 - BLK360 is a pure sensor that collects raw data. The majority of processing is done on a tablet, means less processing onboard, less power, smaller battery, ... ultimately less size and weight.

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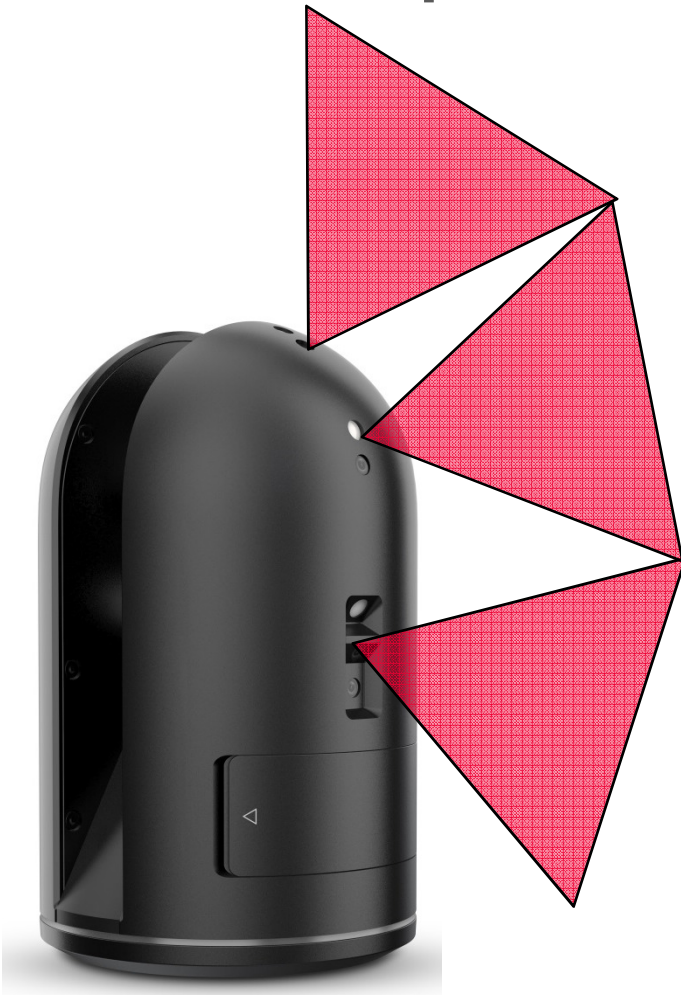
Technical Specifications – Design & Physical



- Weight 1.1 kg
- Operating temp +5 to +40 °C
- For indoor & outdoor use
- Anodized aluminum housing
- button-press quick release mechanical interface

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Technical Specifications - Imaging



- 15 Mpixel 3-camera system
- LED flash support
- Calibrated spherical image

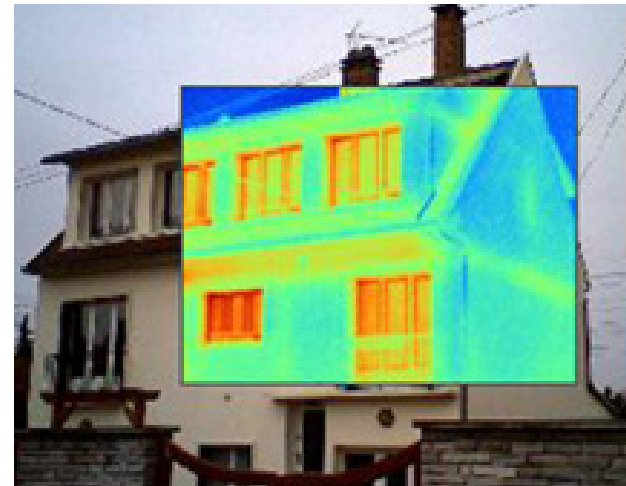


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Technical Specifications - Imaging



em

- **Thermal Image overlay**

- Latest FLIR Technology based Longwave Infrared (LWI) panorama image

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Technical Specifications - Scanning



- Full dome scan (65 Mio Pts) in < 2 min
- 3 predefined resolutions @ 7.5 m
 - HighRes: 5 x 5 mm
 - Medium: 10 x 10 mm
 - LowRes: 15 x 15 mm
- Distance range 0.5 to 60 m
- Range Precision < 4 mm @ 15m
- Laser class 1

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Technical Specifications – Power & Data Storage



- GEB212 Battery
- 64 Gbyte internal memory



GKL311

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Technical Specifications – additional Features



- **Built in IMU**
 - Auto Tilt
- **LED Light Guide**
 - 360° visible status indication
- **WLAN**
 - 360° connectivity to iPad pro

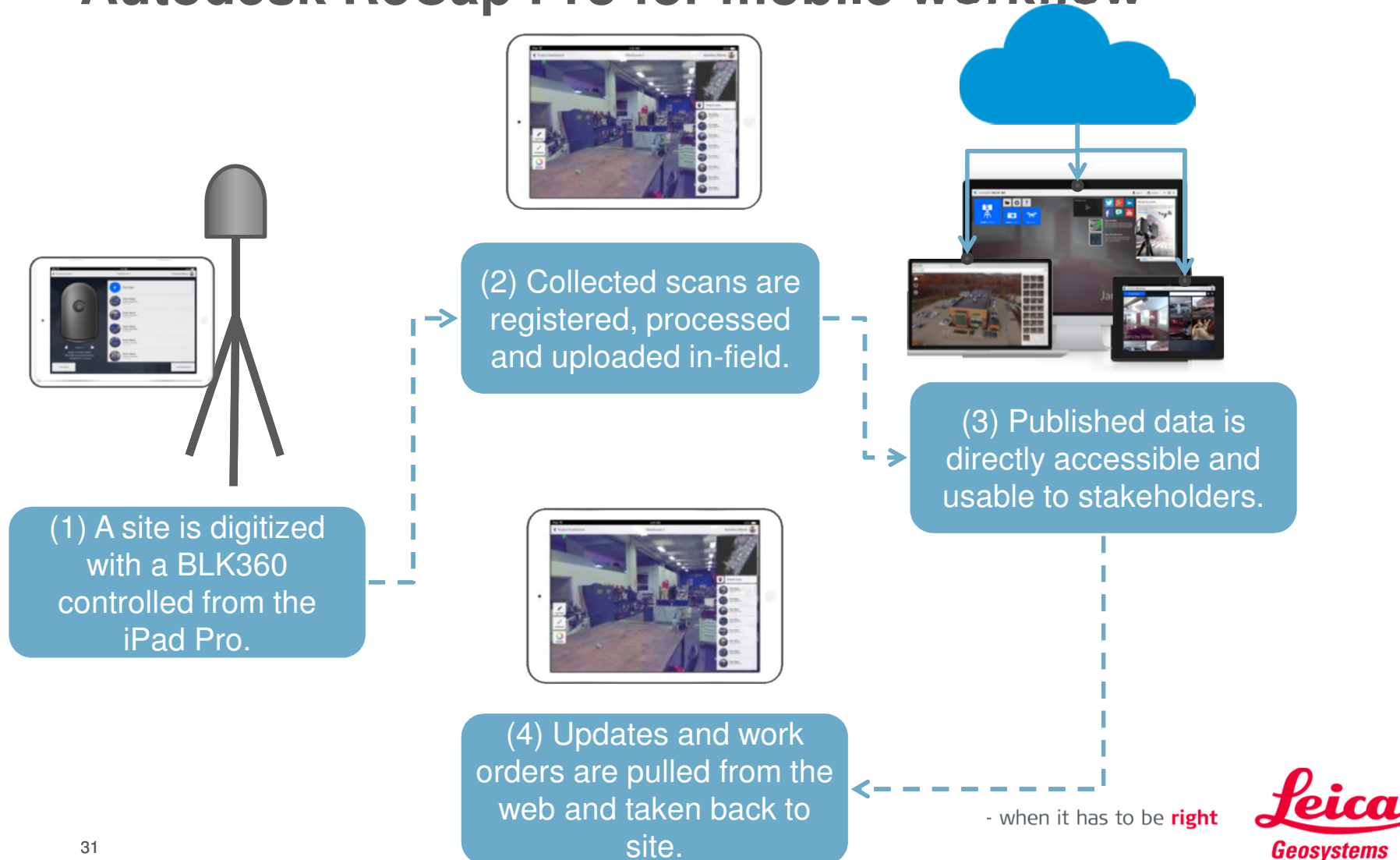
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ReCap Pro for mobile - Overview

- **ReCap Pro for mobile. . .**
 - runs on an iPad Pro
 - Is downloadable from Apple App Store
 - Is bundled with Recap 360 pro Desktop version
 - follows Recap subscription model
- **Functionality**
 - BLK360 Control
 - View / Measure / Annotate Data
 - Scan Registration
 - Upload of Scan Data to ADSK Cloud

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Autodesk ReCap Pro for mobile workflow



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Questions & Answers

“How does it fit into Leica’s HDS workflows?”

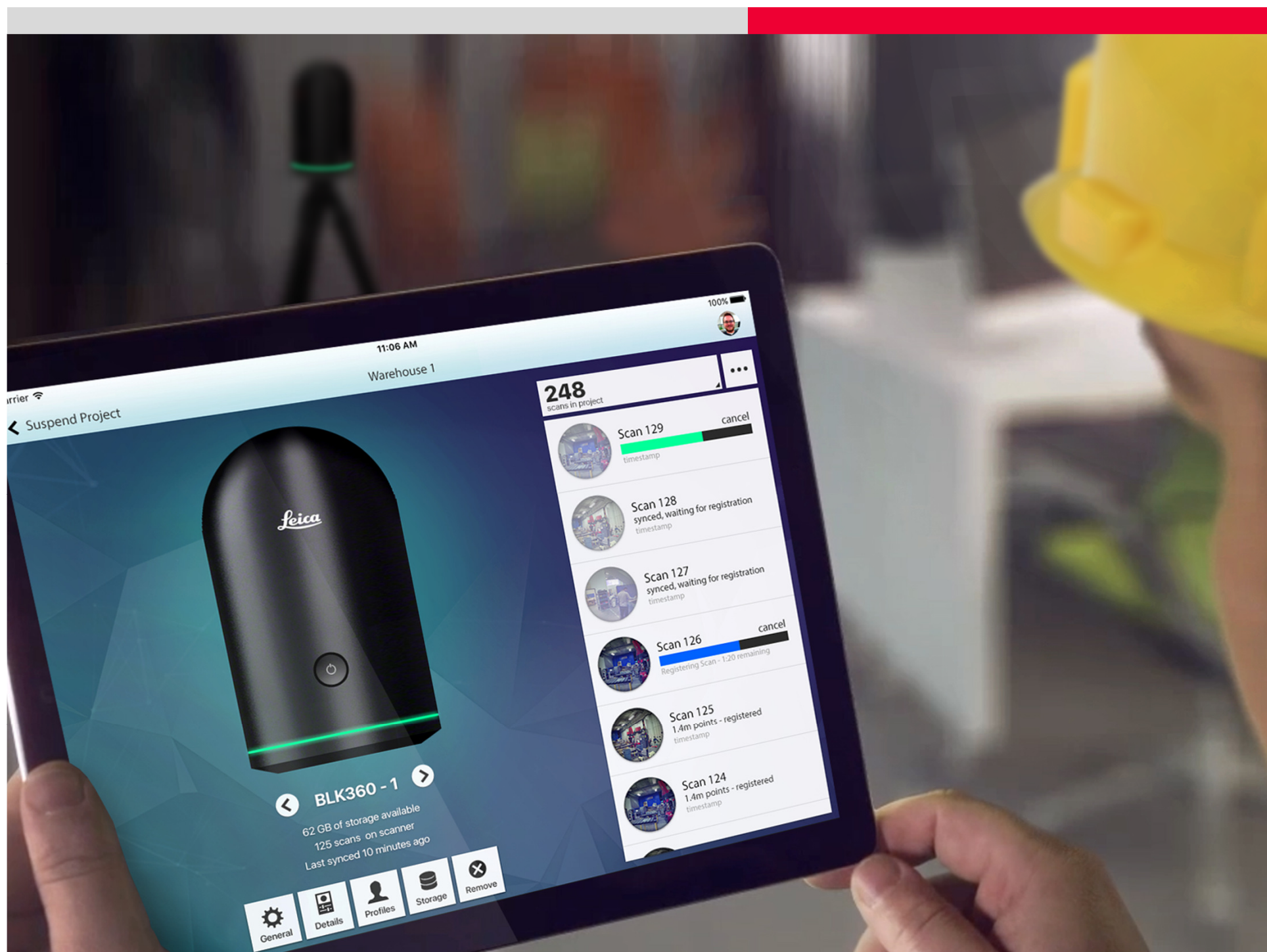
- Leica BLK360 App
- ADSK vs. Leica HDS Workflow
- Possible HDS Work- & Data flows



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Leica BLK360 App – Overview

- **App**
 - Runs on iPad pro
 - Downloadable from Apple App Store
 - Free of charge, payable extensions planned
- **Functionality**
 - BLK360 Control
 - View / Measure / Annotate Data
 - Export Scan/Image Data in E57 format
 - Upload of scan data to cloud storage services



Carrier 100% 11:06 AM Warehouse 1

< Suspend Project



BLK360 - 1

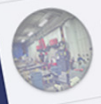
62 GB of storage available
125 scans on scanner
Last synced 10 minutes ago

248
scans in project

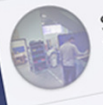


Scan 129
timestamp

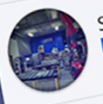
cancel



Scan 128
synced, waiting for registration
timestamp

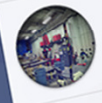


Scan 127
synced, waiting for registration
timestamp

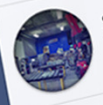


Scan 126
Registering Scan - 1:20 remaining

cancel




Scan 125
1.4m points - registered
timestamp



Scan 124
1.4m points - registered
timestamp

- General
- Details
- Profiles
- Storage
- Remove





Any questions please?