PassiveLogic®

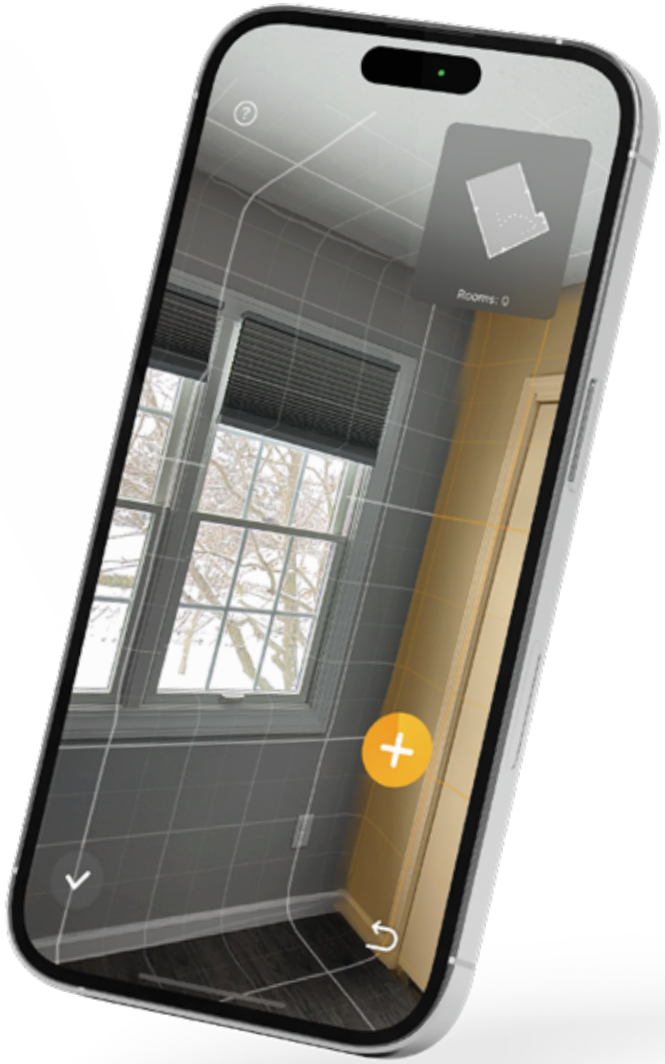
Scan Spaces in Minutes. **3D Models Made with Your Phone.**

Passivelogic Lens

Many buildings don't have up-to-date floor plans, much less 3D models. This presents a significant hurdle when undertaking a retrofit project, completing renovations, sharing data with other stakeholders, or tracking a building's energy use. The PassiveLogic® Lens™ app is your new best friend for generating 3D digital twin models of existing buildings and solving this issue. Leveraging the lidar technology found in Apple's iPhone Pro, the Lens app enables users to quickly scan buildings into digital twins without needing any additional hardware. Define rooms, capture objects and sensors throughout the space, and scan documents on site within one convenient mobile app—all while a Quantum® digital twin instantly generates and syncs across the entire PassiveLogic ecosystem.

Digital Twins for Buildings. The App for That.

The Lens app converts raw scan geometry into a physics-based 3D Quantum digital twin right on your phone. Using point cloud data instead of imaging ensures the privacy of both individuals and spaces being scanned. Since everything happens on the phone as it scans, there's no long wait for processing in the cloud. You can edit the building as needed by updating scans in the app or by using PassiveLogic Designer™ on a computer. Unlike similar scanning apps, you can always refine the model after processing.



Capture What Matters. Scan Anytime.

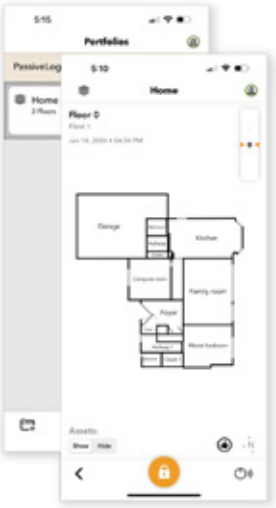
The Lens app can capture everything from closets to warehouses to high-rise office buildings—all with a high level of detail. Designed to scale quickly, this app lets you scan up to 100,000 square feet in just one day. The digital twin ignores irrelevant objects or people in the space, so users can scan without affecting privacy or interrupting occupants. Move your phone throughout the room, and the app figures out the rest, processing the geometry data to accurately define a building's zones and spaces.

PassiveLogic®

PassiveLogic Lens

Smart Asset Tracking. Super Fast Commissioning.

The Lens app automatically recognizes a growing list of equipment and objects, and you can manually add points of interest (POI) and scan asset tags so you can inventory anything in your building. Simply tap the POI menu mid-scan to capture assets and equipment. When an asset POI is added to the digital twin model, it automatically includes its geolocation within the building, and you can add a name, a photo, and other useful information. With Lens you can also quickly set up and provision PassiveLogic devices. For example, Lens recognizes a Sense Nano™ sensor, guides you through the 30-second provisioning process, then quickly and securely connects it to the PassiveLogic network. Once connected, your sensor's environmental data is accessible in Lens and all the apps in our suite.

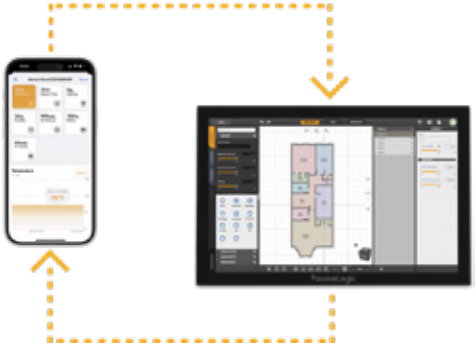


One Digital Twin.
Use Cases for the Whole Life Cycle.

QuantumSync™ cloud automatically and instantly saves digital twin scans to your project portfolio, syncing them with all the tools in the PassiveLogic ecosystem and making it easy to share and collaborate. This provides a continuous workflow allowing architects, engineers, designers, and installers to work together more efficiently. Engineers can access the digital twin in the Builder™ application to generatively create control diagrams and wiring schematics for your whole building.

Data in Your Pocket. Mobile Digital Twin Wallet.

With scans completed and sensors connected, the Lens app transforms your smartphone into a hand-held dashboard, monitoring device, and digital twin wallet. Manage maintenance and work orders, make simple edits and additions to a digital twin as it evolves, tap sensors for real-time data on performance, make notes for later, scan manuals and other documents on site, and securely synchronize data between the cloud and offline systems.



Instant Scan to Digital Twin

Large-Scale Models

Window & Door Recognition

Architectural Drift Compensation

On-device AI Processing

Scan to Digital Twin

100,000 ft² in One Day

Building Inspection

AR Insights

Analytics AR

Location Trilateration

Wireless Mesh Provisioning

Out-of-band Wireless Security

System Commissioning

Control Equipment Commissioning

Sensor Dashboarding

Bidirectional QuantumSync

Air Gapped System Management

Digital Twin Wallet

Offline System Tools

Secure Digital Twin Management