

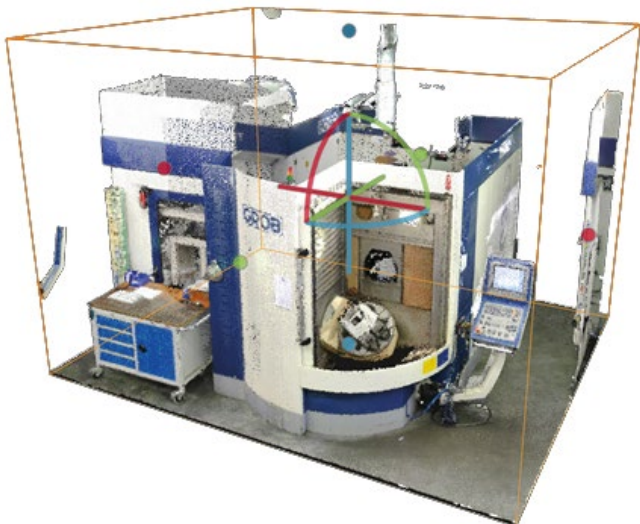
Add more value to buildings and assets

A reality capture platform for laser scanning and AEC professionals. Manage your 3D scans with intuitive tools for creation, collaboration, and publication.



NavVis IVION Core

NavVis IVION Core makes mobile mapping workflows more efficient, speeds up model creation and delivery, and adds value to your data.



Why NavVis IVION Core?

The need for high-end computers, specialist software and technical skills can limit reality capture data to select individuals. With NavVis IVION Core, point clouds and panoramic images are transformed into intelligent spaces accessible to every stakeholder from any standard web browser.

- ✓ Efficiently process, register, publish, and deliver your scan data online
- ✓ Inspect, plan and measure with a building visualization that's easy to navigate
- ✓ Improve efficiency by giving your team and clients access to the full point cloud data from anywhere
- ✓ Optimize scan-to-BIM workflows and boost verification efficiency
- ✓ Go beyond modeling and offer your clients even more value with a new kind of deliverable that extends the use of 3D scan data

Product features



Maps and custom floorplans

Give your customers an entirely new way to use and interact with floorplans. NavVis IVION Core automatically generates an AI-based map to give an overview of the entire site. Upload custom maps that have been designed in photo editing software.



Mark & Measure

360° immersive images are not just digital images. The pixels in these images are enriched by laser scans, which makes it possible to interact with scanned spaces as if you were on site. Conveniently take, organize in folders, and share point-to-point measurements with Mark & Measure. Display exact coordinate information and take point and orthogonal measurements for further precision.



Site coordinate system

Enter the latitude and longitude or a custom spatial reference system, allowing for survey-grade geo-registration of data. Selecting your own site coordinate system also ensures that your data is aligned to the exact location of your site, making it easier and faster to upload and download data.



Multiple sites

Access all of your projects from one account. Easily switch between and search for sites from a central dashboard. Each site has a unique website address and user permissions giving you complete control over site usage.



Publish and share online

Using a web browser, NavVis IVION Core simplifies publishing and sharing scan data. Just send a link to publish and share scans or send a deep link to specific content or a location within the scan. No downloads, plug-ins or desktop software required.



All your scans in one place

Whether you're using static laser scanners, drones or NavVis VLX, you can upload and combine datasets in NavVis IVION Core and publish the scans as a link. For structured E57 files, you can automatically convert point clouds into immersive 360° images with full NavVis IVION Core functionality.



Points of interest

NavVis IVION Core features an easy to use, scalable content management system for adding geo-tagged information and media to 3D scans. Users can right-click anywhere on the screen to add and view this information as points of interest. The powerful search function makes it easy for users to find the information they need.



Crop and download point clouds

NavVis IVION Core allows users to download sections of a point cloud in different file formats, so you can edit your point clouds and import them into other software programs. Make a selection in the point cloud with the 3D crop box to only download what you need.



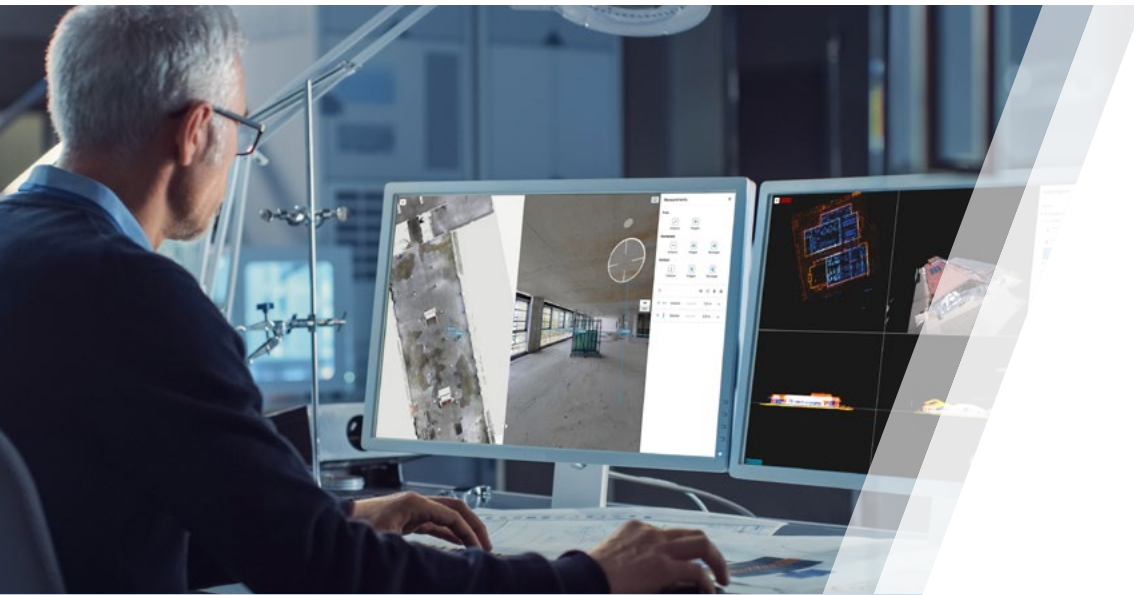
Align and register scans

Align and register all your NavVis scans as well as scans from third party devices. This feature includes the ability to perform automatic cloud to cloud alignment.

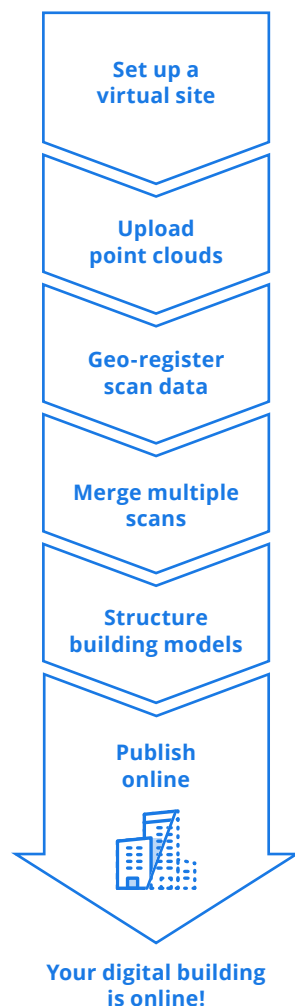


Quality Control

Visually inspect point clouds using multiple 2D views and slices of the 3D scene. These interactive views provide users with the ability to assess the quality of the point cloud and identify incorrect registrations.



For laser scanning professionals



Set up a virtual site

Automatically generate multiple cloud-based sites for your projects - all in one space.

Upload point clouds

Add data to NavVis IVION Core by uploading point cloud files captured by NavVis systems or simply upload any structured e57 file.

Geo-register scan data

Enter the coordinates or address of each file that has been uploaded to register the scan data to the correct coordinates on the world map.

Merge multiple scans

Merge multiple scans by placing datasets at the correct coordinates relative to one another using the dataset alignment tool.

Structure building models

Structure data into basic building models by defining the rooms, floors and work spaces.

Publish online

Publish and share your 3D buildings as a web-based URL. You can give stakeholders access to the entire instance, individual sites or even just one building within the site.

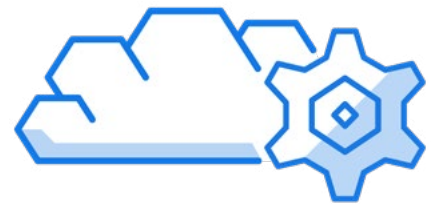
A complete mobile mapping solution

Taken together, NavVis VLX and NavVis IVION Core offer a complete mobile mapping solution for the built environment. The NavVis VLX wearable mapping system can scan with unprecedented speed and accuracy, while NavVis IVION Core makes your digital buildings accessible from everywhere.



Product details

Best for	Surveying and AEC
Size in sqm	Less than 200.000
Registered users	80
Viewers	Unlimited
Number of sites	Unlimited
Cloud infrastructure	Multi-tenant



NavVis IVION Processing*

With NavVis IVION Processing, you can process laser scan data captured by NavVis devices anywhere with an internet connection. Easily set up and start processing multiple datasets on site, ready for when you're back in the office.

Process wherever and whenever

Start, monitor, and finish processing tasks on your own terms, and reduce the time from mapping to usable data.

Efficiency where it matters

Process multiple datasets in parallel, and save valuable time and effort for the tasks that require individual attention.

Easy to set up and use.

An uncomplicated workflow and user-friendly interface eliminate the need for extensive onboarding and additional training.

Safe & secure

State-of-the-art cloud-enabled security and storage ensure your data remains secure.

** Can be added to your subscription for an additional charge*





NavVis Authorized Reseller

BUILD BETTER REALITY

Bridge the gap between the physical and digital worlds through reality capture technology that provides the digital foundation for the world you want to live in.