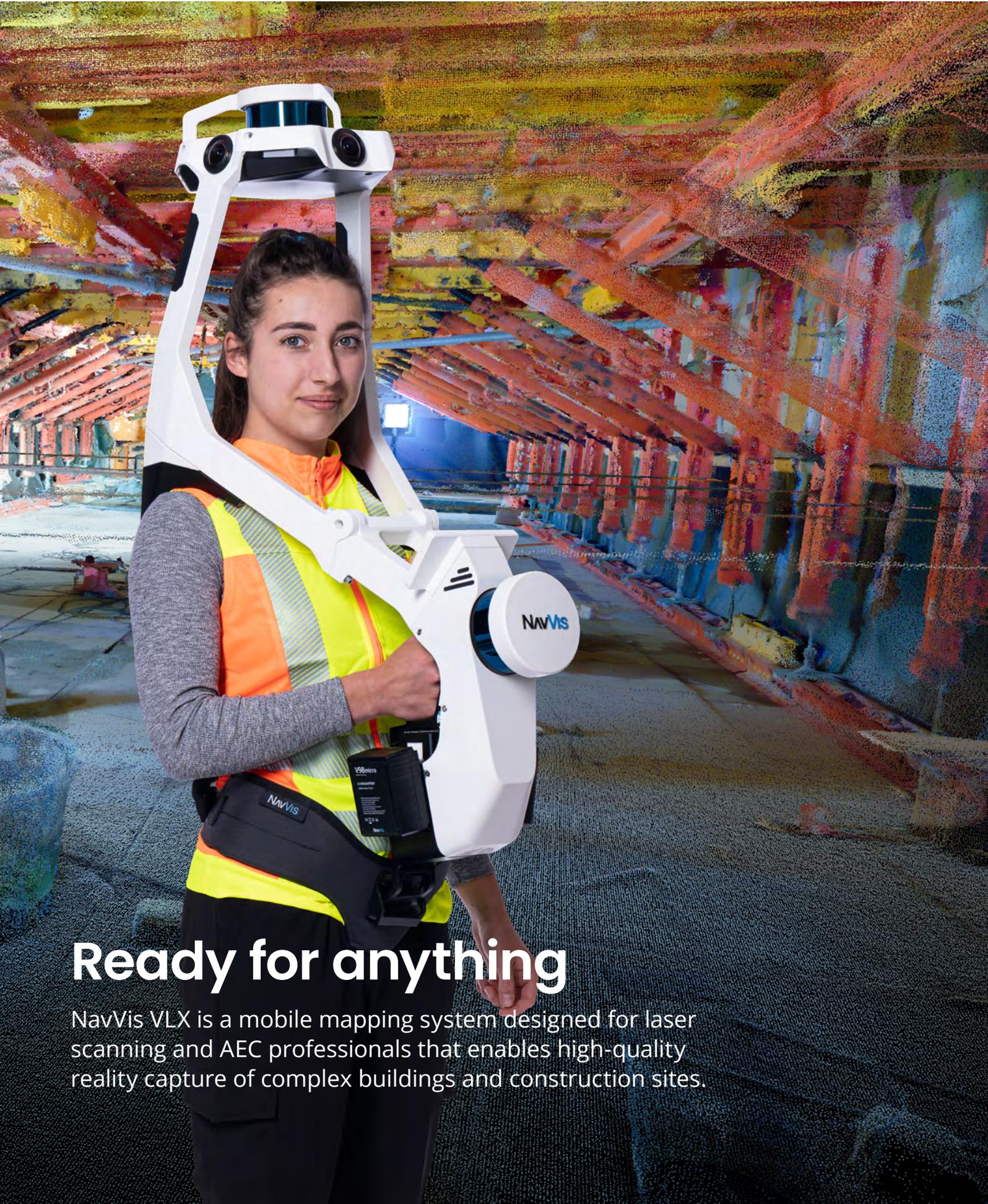


PRODUCT INFORMATION

# NavVis VLX

2nd generation

NavVis



## Ready for anything

NavVis VLX is a mobile mapping system designed for laser scanning and AEC professionals that enables high-quality reality capture of complex buildings and construction sites.

# NavVis VLX 2nd generation

## Accurate. Versatile. Robust.

### Dynamic scanning

Versatility when you need it most. Up to 10 times faster than a terrestrial laser scanner, NavVis VLX 2nd generation can tackle anything from complex indoor spaces with poor lighting conditions to outdoor environments and construction sites.

### Superb accuracy

For accuracy that exceeds industry standards, NavVis VLX is powered by precision SLAM technology that's entirely in a class of its own.

### All-in-one reality capture

Capture 3D measurements with two multi-layer LiDAR sensors in combination with industry-leading SLAM software to deliver survey-grade point cloud quality. Four cameras positioned on top of the device take high resolution images in every direction for complete 360° capture – all without the operator appearing in the field of view.

### Live mapping feedback

Monitor your scanning progress in real time with a built-in touchscreen interface, to ensure complete coverage as you move.

### Precision meets ergonomics

A first-of-its-kind wearable device which enables operators to comfortably scan at the speed of walking. The forward-facing design allows for targeted scanning, together with a built-in screen for optimal viewing.

### Georegistration

NavVis VLX is fully compatible with standard tools in the field and can capture control points in a local site coordinate system measured by a Total Station and also supports national and global coordinates for precise georegistration and alignment of datasets.

### Folding design

The unique hinged design folds up and fits into a protective case, so that a single operator can easily transport and set up.



*Folding design*



*Live mapping feedback*

# Survey-grade point clouds



NavVis system software features unique SLAM algorithms that have been specifically developed to overcome the challenges of capturing high-quality point clouds with a mobile system.

## Preserve original details

Point cloud surface reconstruction preserves details while removing noise for more efficient use in 2D drawings and 3D models.

## Highly realistic texturing

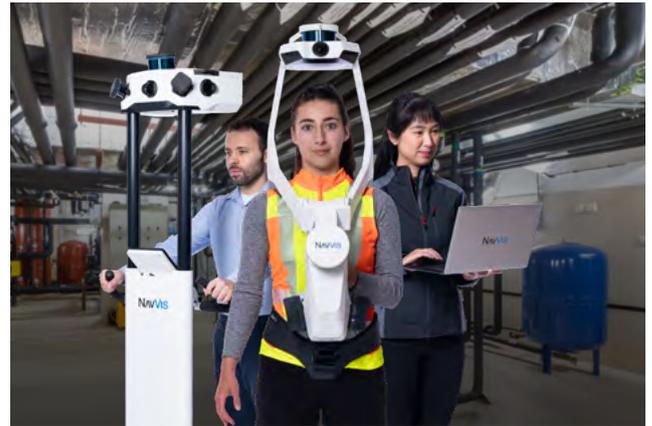
Highly detailed point clouds include color and realistic texturing.

## Detect and remove dynamic objects

Objects that move through the scan are automatically detected and removed from point clouds during post-processing, resulting in less manual work.

## Robust SLAM

Robust SLAM algorithms can accurately capture the entire building including the facade and surroundings.

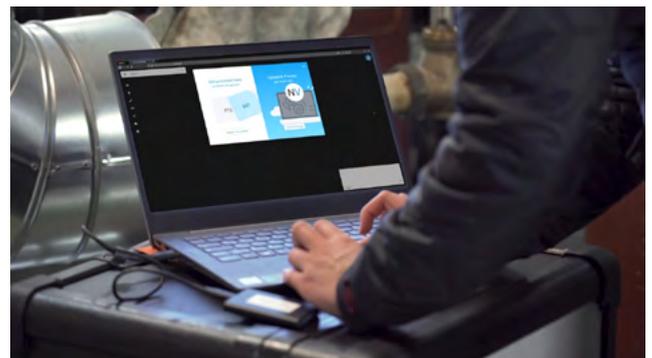


## NavVis Reality Capture Solution

Taken together, NavVis VLX and NavVis IVION Core offer a complete reality capture solution for the built environment that makes your digital buildings accessible from everywhere. Benefit from the NavVis IVION Cloud Processing Add-on and take your processing workflows to the next level.

### NavVis IVION Core

NavVis IVION Core is a reality capture platform for laser scanning professionals and engineers. Manage your point clouds with intuitive tools for creation, collaboration, and publication.



### Cloud Processing add-on for NavVis IVION

With the Cloud Processing Add-on for NavVis IVION, 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.



Authorised hardware reseller

[navis.com/vlx](https://navis.com/vlx)  
[linkedin.com/company/navis](https://linkedin.com/company/navis)  
[youtube.com/navis-tech](https://youtube.com/navis-tech)

**Bridging the gap between the physical and digital world, NavVis enables service providers and enterprises to capture and share the built environment as photorealistic digital twins.**

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