Skydio 3D Scan™

With 3D Scan, powered by Skydio's world-leading AI-driven autonomy, you can easily create precise high-resolution digital twins, orthomosaics, and 3D models. It's the go-to solution for professionals who need accurate and efficient aerial data for inspections, surveying, and documentation.

Create digital twins of critical assets

Capture intricate details of complex structures and generate accurate high-resolution digital twins.

Map large areas

Create high-resolution orthomosaics and digital elevation maps for land surveying, agriculture, and urban planning with precision.
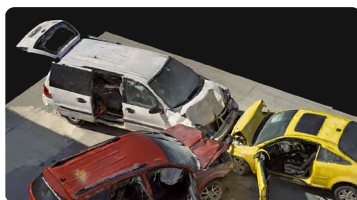

Document incident scenes

Accurately document crash scenes, crime scenes, and other critical areas with detailed 3D models that provide a comprehensive view.

Scan indoor spaces

Generate 3D models of indoor environments like warehouses and industrial spaces, streamlining inventory management and space utilization.


75%

Faster data capture

Get more done in less time with Skydio 3D Scan, optimizing your operations and reducing labor costs.

30%

Lower reinspect rates

Achieve greater accuracy on the first pass, reducing the need for costly reinspections.

30%
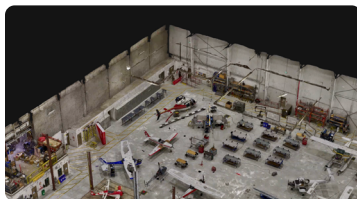
Lower hardware costs

Maximize your budget with Skydio's cost-effective hardware solutions.
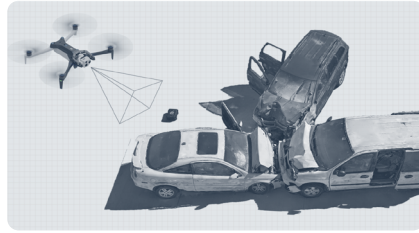
Easy as 1-2-3

3D Scan makes the entire data capture-to-output process simple and user friendly.

Step 1:
Define your area
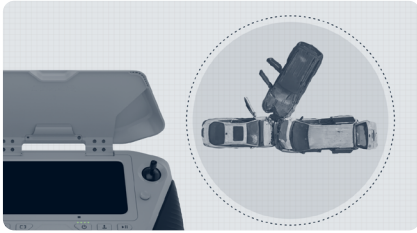
Simply mark the area you want to scan by selecting height, length, and depth on the controller. No complex setup required.

Step 2:
Capture data autonomously

Let your Skydio drone, powered by advanced AI, autonomously fly the most efficient and effective data capture mission. It calculates the best flight paths to ensure every detail is captured accurately.

Step 3:
Use your data

Use Skydio onboard modeling right on the controller to preview your 3D model, ensuring you have exactly what you need before you leave the site. Then export to your choice of photogrammetry or GIS applications.

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With 3D Scan, we are going to be able to efficiently capture high-quality images for 3D Reconstruction, saving us tons of time and energy in the field. It'll be easier for the pilots, safer for our assets, and faster for our teams.

Jarvis Worton
Global Platform Technology Analyst, Jacobs

75%
Cost reduction per inspection

60%
Reduced time to delivery of inspection data