

# Skydio X10: Accurate, Fast Construction Reality Capture

Skydio X10, with its powerful sensors, robust RTK/PPK attachment, and new software innovations that deliver mechanical-shutter-like performance, gets the job done better than ever. Capture orthos and panos quickly and reliably, with centimeter-level accuracy. Fly locally with a controller capable of onboard modeling. Or pre-position the X10 with Dock onsite to support remote operations, including scheduled inspection missions and on-demand flights from anywhere.



## Why now?

# 41%

of the construction workforce is expected to retire by 2031.<sup>1</sup> Skydio fills the gap through automated site capture, remote visibility, less training, and high accuracy.

## Skydio X10 Meets the Challenge

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### High-Speed, Accurate Modeling and Mapping

Capture high-fidelity orthomosaics and 3D models for rapid site mapping and analysis with RTK/PPK. With flight speeds up to 45 mph, Skydio X10 can cover more ground in a single flight, supporting faster capture and daily deployment on active jobsites.

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### Precision Image Capture

Skydio X10 features a 50 MP wide and a 64 MP narrow camera, delivering the detail needed for construction-grade mapping, modeling, and inspections. With rolling shutter correction applied in real time onboard the drone, you eliminate the need for post-processing—reducing field time while maintaining high accuracy.

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### Out-of-the-box Workflow Integration

Data is designed for automated and easy upload into DroneDeploy and other platforms you already use.

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### Dock and Remote Operations

Automate missions and enable remote operations of drones for multi-site management. Skydio Dock enables pre-positioned drones to capture data remotely—either autonomously or under manual control. It's ideal for teams managing multiple sites or capturing routine updates without sending someone to the job site.

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### Built for Jobsite Reliability

Rain, dust, wind, and heat—jobsite conditions are tough. Skydio X10 is built to handle them all. With IP55 protection, wind resistance up to 27 mph, and broad temperature tolerance, it delivers dependable performance day after day. Backed by U.S.-based support and proven in rugged real-world deployments, X10 ensures dependable performance across every site.

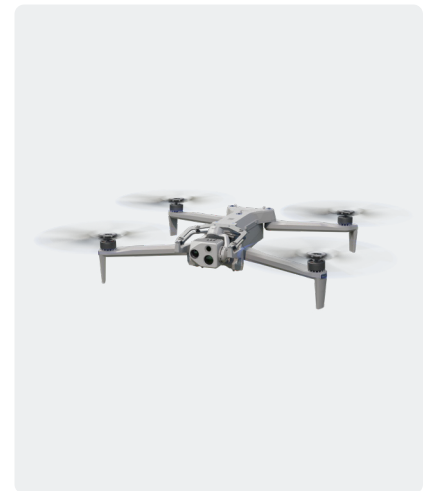
<sup>1</sup> Source: [McKinsey](#)

# Technical Specs



## X10 Aircraft

Positioning & Performance	
Flight time	40 minutes
Max horizontal speed	45 mph / 20 m/s
RTK/PPK accuracy	1 cm accuracy with optional RTK/PPK attachment
Durability & Safety	
Ruggedness (IP rating)	IP55 (suitable for light rain and dusty environments)
Operating temperature range	-4 °F to 113 °F / -20 °C to +45 °C
Obstacle avoidance	True 360°
Wind resistance	Up to 27 mph (12 m/s)
Image Specifications (with VT300-L sensor package)	
Camera specs	Wide: 50 MP, 1" CMOS sensor, 93° diagonal FOV
	Narrow: 64 MP, 1/1.7" CMOS sensor, 50° diagonal FOV
	Thermal: Teledyne FLIR Boson+, 640x480 radiometric, 41° diagonal FOV
Rolling shutter correction	Built into X10 drone
Aircraft Specifications	
Time to launch	Under 40 seconds
Charge time	20-90% in 35 minutes
Dimensions (unfolded)	31.1" L x 25.6" W x 5.7" H 79.0 cm L x 65.0 cm W x 14.5 cm H
Weight	5.49 lbs / 2.49 kg
Connectivity	Point-to-point Cellular 4G/5G



## Dock for X10

Operational Capabilities	
Flight modes available	Manual flight Point-to-point Pre-planned missions (waypoints) Scene/Structure capture Return to dock / auto land
Time to get airborne	20 seconds
Environmental Resilience	
Ruggedness (IP rating)	Roof closed IP56 Roof open IP54
Operating temperature range	-4 °F to 122 °F / -20 °C to +50 °C
Physical Characteristics	
Dock weight	240 lbs / 109 kg (with base)
Dock dimensions	34.1" L x 37.7" W x 55.5" H 86.6 cm L x 95.8 cm W x 141.0 cm H (with base)

