



Get powerful, timely information from a drone that is small, smart, survivable, and ready to scale.

Onboard AI. Off-the-charts capability.

The Skydio X10D delivers mission-critical data wherever and whenever you need it with the best cameras on a sUAS, industry-leading autonomy, and advanced AI. Its onboard computing power enables flights to be automated so operators can focus on their missions instead of flying. Including in complex GPS-denied or high EMI environments. And with Skydio NightSense, even in the dark.

An open, modular platform.

RAS-A compliance and open MAVLINK protocol enable Skydio X10D to support third-party and government-owned flight application software. Four attachment bays enable Skydio X10D to be configured on the go to fit mission-specific needs.

Built-in world class security.

Custom built for government and defense customers, Skydio X10D is designed and assembled in the USA, and complies with the National Defense Authorization Act (NDAA).



Visionary cameras.

- 64 MP narrow
- 48 MP telephoto
- 50 MP wide with LED flashlight
- Teledyne FLIR Boson+ thermal sensor



Onboard AI.

- Six custom 32 MP navigation cameras
- 360-degree visibility
- Autonomous flight, day or night



Ready for anything, anytime, anywhere.

- 4.7 pounds
- Open, modular platform
- Multi-band support

<40 ^{sec}

Deployment time.

IP55

Certified against dust and water.

45 ^{mph}

Max flight speed.

Technical Specs



Aircraft

Startup Time	Under 40 seconds
Dimensions (unfolded, propellers)	31.1" x 25.6" x 5.7"
Dimensions (folded)	13.8" x 6.5" x 4.7"
Weight (including batteries)	Connect SL: 2.11 kg / 4.65 lbs Connect MH: 2.14 kg / 4.72 lbs
Max Hover Time	35 minutes
Max Flight Time	40 minutes
Ingress Protection Rating	IP55
Operational Temperature Range	-20 °C to +45 °C / -4F to 113 F
Wireless Range (no interference, line of sight operation)	Connect SL: 12 km / 7.5 miles Connect MH: 10 km / 6.2 miles
Obstacle Avoidance Coverage	True 360°

Telephoto Camera

Sensor	Sony IMX586-K 1/2" 48 MP CMOS
Diagonal Field of View	13°
Focal Length	35 mm (190 mm equivalent)
Max Video Resolution	3840 x 2880

Wide Camera

Sensor	Sony IMX686 1/1.7" 64 MP CMOS
Diagonal Field of View	93°
Focal Length	8 mm (20 mm equivalent)
Max Video Resolution	3840 x 2880

Narrow Camera

Sensor	Sony 1/1.7" 64 MP CMOS
Diagonal Field of View	50°
Focal Length	10 mm (46 mm equivalent)
Max Video Resolution	3840 x 2880
Aperture	f/1.8

Thermal Camera

Thermal Imager	Teledyne FLIR Boson+ Uncooled VOx Microbolometer
Diagonal Field of View	41°
Focal Length	13.6 mm (60 mm equivalent)
Aperture	f/1.0
Thermal Sensitivity	<30 mK NEDT
Infrared Temperature Measurement Accuracy	larger of ± 5 °C or 5%
Max Video Resolution	640 x 512
Temperature Measurement Method	Spot Meter, Area Measurement
Palette	White Hot, Black Hot, Iron Bow, Rainbow



Controller

Controller Dimensions	10.5" x 5" x 3"
Screen	6.6" dynamic AMOLED touchscreen 120 Hz adaptive refresh rate Resolution: 2340 x 1080 pixels Brightness: 1750 nits (outdoor peak) Pixel density: 392 ppi
Weight	1.14 kg / 2.50 lbs
Max Range*	Connect SL: 12 km / 7.5 miles Connect MH: 10 km / 6.2 miles
Operating Frequency	Connect SL: 2400-2483.5 MHz 5150-5850 MHz Connect MH: 1625-1725 MHz 1790-1850 MHz 2040-2110 MHz 2200-2300 MHz 2300-2390 MHz 2400-2500 MHz
Ingress Protection Rating	IP54
Wired Outputs	HDMI (type A) & USB-C

Contact sales@skydio.com today to learn more about Skydio X10D, Remote Ops and Regulatory Services.

Designed and assembled in the USA.

For additional technical specifications, please visit <https://www.skydio.com/x10/technical-specs>