



Breakthrough AI meets best-in-class data capture. All on a modular airframe that fits in a backpack.

You've never seen like this before.

Get the critical data you need wherever and whenever you need it with the groundbreaking Skydio X10. Featuring more megapixels and better optics than any drone its size, X10 offers unrivaled onboard computing power that enables you to automate complex data capturing missions—even in GPS-denied or high EMI environments. With the X10's class-leading cameras, you'll never miss another important detail again.

You've never flown like this before.

Piloting X10 is simple, thanks to its industry-leading autonomy, and advanced AI. And with Skydio NightSense mode, X10 can navigate autonomously in the dark. An industry first. You can also fly X10 from your browser, and hand over control to an offsite pilot any time with Skydio Remote Flight Deck.

40 min

Max flight time.

<40 sec

Deployment time.

IP55

Certified against dust and water.

45 mph

Max flight speed.



Visionary cameras.

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



Onboard AI.

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



Ready for anything, anytime, anywhere.

- Under 4.7 pounds
- Open, modular platform
- 5G cellular connectivity

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 SL + 5G: 2.14 kg / 4.72 lbs
Max Hover Time	35 minutes
Max Flight Time	40 minutes
Processors	NVIDIA Jetson Orin SoC
Ingress Protection Rating	IP55
Operational Temperature Range	-20 °C to +45 °C / -4 °F to 113 °F
Wireless Range (no interference, line of sight operation)	Connect SL: 12 km / 7.5 miles Connect 5G: Unlimited (wherever cellular coverage is available)
Wireless Networking	Connect SL: WiFi6 Connect 5G: Cellular LTE/5G
Obstacle Avoidance Coverage	True 360°



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 5G: Unlimited
Operating Frequency	Connect SL: 2400-2483.5 MHz / 5150-5850 MHz Connect 5G: 600 MHz-4400 MHz
Ingress Protection Rating	IP54
Wired Outputs	HDMI (type A) & USB-C
Wireless Networking	WiFi6, Cellular LTE/5G

Contact info@defensync.com today to learn more about Skydio X10, Remote Ops and Regulatory Services.

Designed and assembled in the USA.

*Max range: wherever cellular coverage is available.

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
Aperture	f/2.2

Wide Camera

Sensor	Sony IMX989, 1", 50.3 MP, CMOS
Diagonal Field of View	93°
Focal Length	8 mm (20 mm equivalent)
Max Video Resolution	3840 x 2880
Aperture	f/1.95

Narrow Camera

Sensor	Sony IMX686, 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

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