

Skydio X10D	
Startup Time	Under 40 seconds
Dimensions (unfolded, with propellers)	31.1" x 25.6" x 5.7"
Dimensions (folded, without battery)	13.8" x 6.5" x 4.7"
Weight (incl. batteries)	Connect SL: 2.11 kg / 4.65 lbs
	Connect MH: 2.14 kg / 4.72 lbs
Max Takeoff Weight	2.49 kg / 5.49 lbs
Operation Frequency	Connect SL: 2400-2483.5MHz 5150-5850Mhz
	Connect MH: 1625-1725MHz 1790-1850MHz 2040-2110MHz 2200-2300MHz 2300-2390MHz 2400-2500MHz
	Connect SL: 34.3dBmi (2.4GHZ) Connect SL: 33.7dBmi (5GHZ)
	Connect MH: 238Bmi
	VIO: +/- 10cm GNSS: +/- 1m
	Yaw: 100 deg/s Roll / Pitch: 225 deg/s
Transmitter Power (EIRP)	
Hovering Accuracy (windless or breezy)	
Max Angular Velocity	
Max Tilt Angle	40 degrees
Max Ascent/Decent Speed	Ascent: 6 m/s / 13.4mph Descent: 4 m/s / 9.0mph
Max Non-Vertical Descent Speed	6 m/s / 13.4mph
Max Horizontal Speed (at sea level)	20 m/s / 45mph
Max Horizontal Speed with Obstacle Avoidance	16 m/s / 36mph
Max Service Ceiling Above Sea Level (without other payload)	15,000 ft density altitude
Max Gust Handling	12.8 m/s / 28.6mph
Max Hover Time	35 minutes
Max Flight Time	40 minutes
Processors	NVIDIA Jetson Orin SoC Qualcomm QRB5165 SoC
Ingress Protection Rating	IP55 (1in an HR)
GNSS	GPS + Galileo + GLONASS + BeiDou
Operational Temperature Range	-20C to +45C / -4F to 113F

Wireless Range	Connect SL: 12km / 7.5 miles Connect MH: 10km / 6.2 miles
Obstacle Avoidance Coverage	True 360°

Controller	
Controller Dimensions	10.5" x 5" x 3"
Screen	6.6" Dynamic AMOLED touchscreen 120Hz Adaptive Refresh Rate Resolution: 2340 x 1080 pixels Brightness: 1750 nits (outdoor peak) 392ppi
Dimensions	10.5" x 5" x 3"
Weight	1135 grams (2.5lbs)
Max Range	Connect SL: 12km / 7.5 miles Connect MH: 10km / 6.2 miles
Operating Frequencies	Connect SL: 2400-2483.5MHz 5150-5850MHz Connect MH: 1625-1725MHz 1790-1850MHz 2040-2110MHz 2200-2300MHz 2300-2390MHz 2400-2500MHz
Transmitter Power (EIRP)	Connect SL: 34.7dBmi (2.4GHz) Connect SL: 35.9dBmi (5GHz) Connect MH: 38dBmi
Ingress Protection Rating	IP54
Operating Time	Approx. 5 hours
Battery	9600mAH
GNSS	GPS + Galileo + GLONASS + BeiDou
Operational Temperature Range	-20C to 45C
Wired Outputs	HDMI & USB-C
Security	NDAA compliant AES-256 encrypted data link Encrypted internal disk storage Password protected Root of trust Trusted boot Secure update

Telephoto Camera	
Sensor	Sony 1/2" 48MP CMOS
Diagonal Field of View	13°
Focal Length	35 mm (190 mm equivalent)
Aperture	f/2.2
Focus	hybrid PDAF, 5 m to ∞
Exposure Compensation	-3
Electronic Shutter Speed	1/30 to 1/8000
ISO Range	100 to 16000
Max Video Resolution	3840 x 2880
Max Photo Size	8000 x 6000
Wide Camera	
Sensor	Sony IMX989 1" 50.3MP CMOS
Diagonal Field of View	93°
Focal Length	8 mm (20 mm equivalent)
Aperture	f/1.95
Focus	100% focus pixel, 1 m to ∞
Exposure Compensation	-3
Electronic Shutter Speed	1/30 to 1/8000
ISO Range	100 to 16000
Max Video Resolution	3840 x 2880
Max Photo Size	8192 x 6144
Narrow Camera	
Sensor	Sony 1/1.7" 64MP CMOS
Diagonal Field of View	50°
Focal Length	10 mm (46 mm equivalent)
Aperture	f/1.8
Focus	hybrid PDAF, 1 m to ∞
Exposure Compensation	-3
Electronic Shutter Speed	1/30 to 1/8000
ISO Range	100 to 16000
Max Video Resolution	3840 x 2880
Max Photo Size	9248 x 6944
Thermal Camera	
Thermal Imager	Flir Boson+ Uncooled VOx Microbolometer
Diagonal Field of View	41°
Focal Length	13.6 mm (60 mm equivalent)
Aperture	f/1.0
Focus	5 m to ∞
Thermal Sensitivity	<30mK NEDT
Infrared Temp Measurement Accuracy	larger of +- 5°C or 5%
Image Processing	Adreno 650 GPU accelerated ISP pipeline
Max Video Resolution	640 x 512

Photo Size	640 x 512
Photo Format	JPEG, RJPEG
Pixel Pitch	12 um
Temperature Measurement Method	Spot Meter, Area Measurement
Temperature Measurement Range	-40° to 150° C (-40° to 350° C low gain)
Gimbal Light	
Illumination	1000 lumens
Illumination (peak)	2800 lumens

Vision Systems / Navigation Cameras	
Configuration	6x cameras in trinocular configuration top and bottom
Sensor	Samsung 1/2.8" 32MP color CMOS
Light Sensitivity	Visible Light
Aperture	f/1.8
Diagonal Field of View	200°
Obstacle Sensing Range	20 meters
Environment Coverage	True 360°
Flight Battery	
Capacity	8419 mAh
Voltage	18.55 V
Battery Type	Rechargeable Lithium Ion Polymer
Energy	156.17 Wh
Net Weight	1.56 lbs +/- 0.003 lbs
Operational Temperature Range	-20C to 60C
Storage Temperature Range	-20C to +45C (storage less than 3 months)
Charging Temperature Range	5C to 45C
Chemical System	Lithium Ion Polymer
Skydio Connect	
Operating Frequency	Connect SL: 2400-2483.5MHz 5150-5850MHz Connect MH: 1625-1725MHz 1790-1850MHz 2040-2110MHz 2200-2300MHz 2300-2390MHz 2400-2500MHz
Transmitter Power (EIRP)	Connect MH: 38dBm
Antenna Configuration	Connect SL: 2Tx, 4Rx Connect MH: 2x2
System Security	
Wireless Encryption	Connect SL: AES-256 Connect MH: AES-256
NDAA Compliance	NDAA Compliant
Root of Trust	HSM protected keys
System Integrity	Secure boot
Secure Update	AES-256 encrypted, signed, & verified
Internal Disk Storage	Encrypted
SD Cards	Encrypted
Pairing	Secure wired pairing
Dual Charger	
Dimensions	180 x 75 x 48mm
Weight (w/o Battery)	0.73 lbs

Charge Time 230W	1 hour 3 minutes (0-100%) 37 minutes (20-90%)
Charge Time 100W	1 hour 47 minutes (0-100%) 1 hour 12 minutes (20-90%)
Weatherproofing	No ingress protection