

Skydio X2E

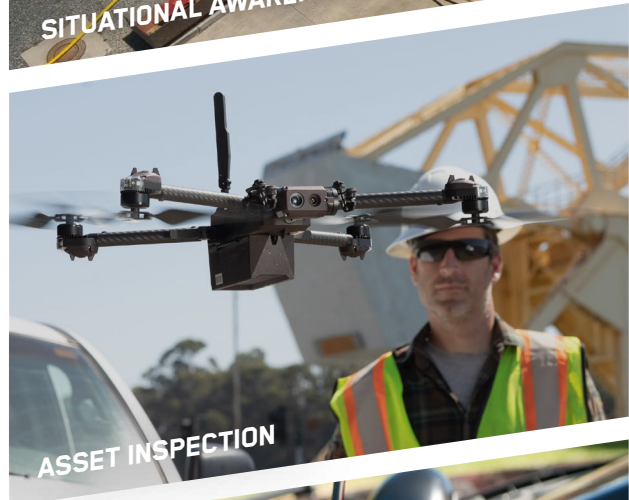
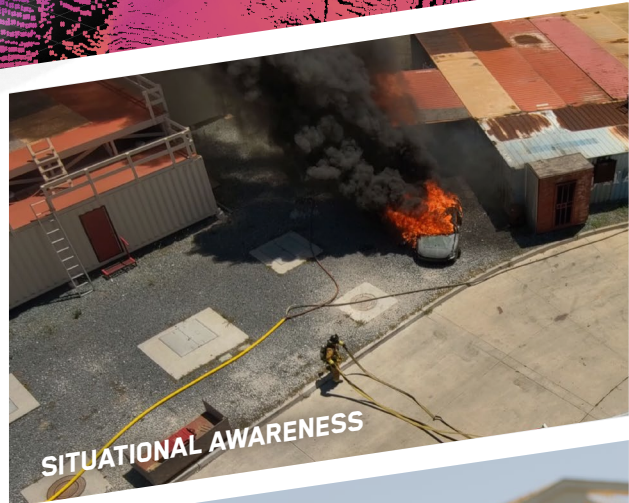


Unmatched autonomy meets enterprise performance.

Skydio X2E is the ultimate intelligent aerial tool for enterprise applications. X2E pairs breakthrough autonomy software with a rugged, foldable airframe for easy "pack and go" transportation, a thermal camera, and up to 35 minutes of flight time. X2E is equipped with six 4K navigation cameras for 360° obstacle avoidance and a dual sensor payload that includes 12MP color and 320x256 FLIR® sensors. From situational awareness and asset inspection to security and patrol use cases, X2E enables enterprises, first responders, and civilian agencies to safely ramp their drone fleets with minimal training, removing all barriers to enter the drone revolution. Designed, assembled, and supported in the USA, X2E provides a higher degree of supply chain security.

Optional Add-Ons

- **Skydio Autonomy™ Enterprise Foundation:** 360 Superzoom, Precision Mode, 180 Vertical View and more.
- **Skydio 3D Scan™.** First-of-its-kind digital scan software for inspections of complex structures, such as bridges, energy infrastructure, or crash and crime scenes.



ENTERPRISE-GRADE SECURITY

AES-256 media encryption, burned-in keys at time of manufacture.

SKYDIO ENTERPRISE CONTROLLER

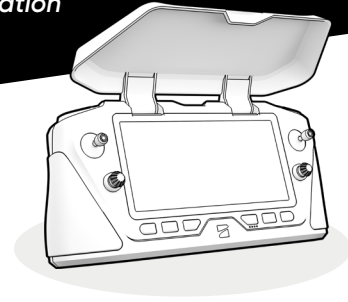
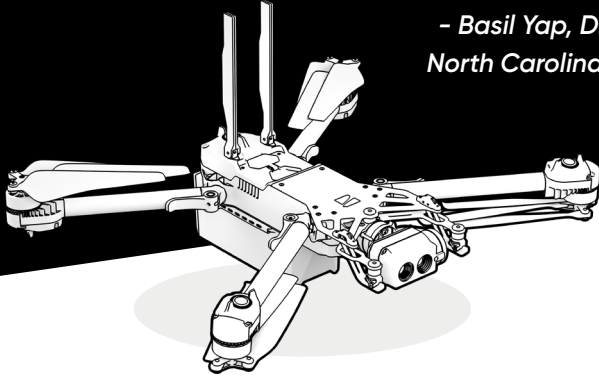
Built-in touchscreen, glove-compatible controls, and a new wireless system to extend range up to 6 km.

SKYDIO AUTONOMY™ CORE

360° obstacle avoidance, real-time 3D mapping, object and scene recognition, motion planning and more

"We have been able to inspect bridges in completely new ways using the Skydio 2, and are excited to apply the Skydio X2E to our program needs when available to take advantage of the extended range, battery life and other advanced features that will help us achieve even higher levels of efficiency."

- Basil Yap, Director, UAS Program Manager
North Carolina Department of Transportation



AIRCRAFT

DIMENSIONS (UNFOLDED)	15.1" X 11.9" X 4.21"
DIMENSIONS (FOLDED, NO BATTERY)	10.86" X 4.17" X 2.0"
WEIGHT	1.3 kg
HARDENING	near IP53
CUSTOM PAYLOADS	USB-C interface, up to 150 g
COLOR CAMERA	4K60P HDR Camera with 16x zoom
THERMAL CAMERA	FLIR Boson® 320 Thermal Imager with 8x

SKYDIO AUTONOMY

MAIN PROCESSOR	NVIDIA Tegra X2 SoC
GPU	256-core NVIDIA Pascal™ GPU
CPU	Dual-Core NVIDIA Denver 2 64-bit CPU Quad-Core ARM®-A57 MPCore
RAM	4 GB 128-bit LPDDR4
OBSTACLE AVOIDANCE COVERAGE	Omnidirectional and above/below Super fisheye lenses for 360° view
3D WORLD MODEL UPDATE RATE	> 1 million points per second
WORLD MODEL-TO-ACTION UPDATE RATE	500 iterations per second
ONBOARD AI	9 custom deep networks used in flight
USER-SELECTABLE SUBJECTS FOR TRACKING	People and motor vehicles
OBJECT TRACKING AND IDENTIFICATION	Up to 10 simultaneous objects of interest
CALIBRATION	Automated online calibration of lens parameters, camera rotations, wind speed, and air density

HANDSET

DIMENSIONS	10.5" x 5" x 3"
WEIGHT	900 g
INPUT	Dual 2-axis joysticks, dual rockers & 10 buttons
SENSORS	GPS, Barometer, Compass, Gyro, ACC
MEMORY	256 GB disk, 12 GB RAM
PROCESSOR	Qualcomm Snapdragon 855

CONTROLLER SOFTWARE

OPERATING SYSTEM	Android 9
APPLICATIONS	Skydio Enterprise
WIRELESS LINKS	4G LTE, WiFi, Bluetooth
WIRED LINKS	USB 3.1, (via dongle) HDMI, SD, Ethernet
OPERATING FREQUENCIES	2.4 GHz
MAX RANGE	up to 6 km 2.4 GHz
CHANNEL BANDWIDTH	1/2/4/8 MHz
VIDEO	Up to 1080p60, 20 Mbps
ENCRYPTION	AES-256

SYSTEM SECURITY

MEDIA ENCRYPTION	AES-CBC algorithm using unique file encryption keys (FEKs) encrypted using Open SSL (2048-bit key RSA). Decryption keys never stored on vehicle.
WIRELESS CONNECTION	AES-256
FIRMWARE	Signed and encrypted
CONTROLS	Ability to provision and deprovision devices
INFRASTRUCTURE	Key provisioning burned-in at time of manufacture



Contact enterprise@skydio.com today to learn more about integrating Skydio X2.

Designed and assembled in Redwood City, California