

Skydio X2E Color/Thermal

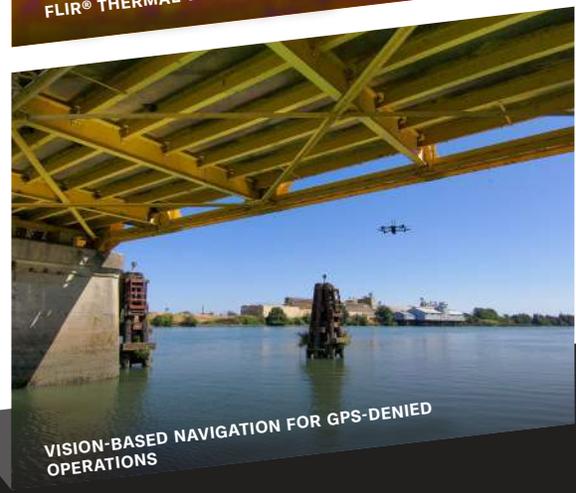
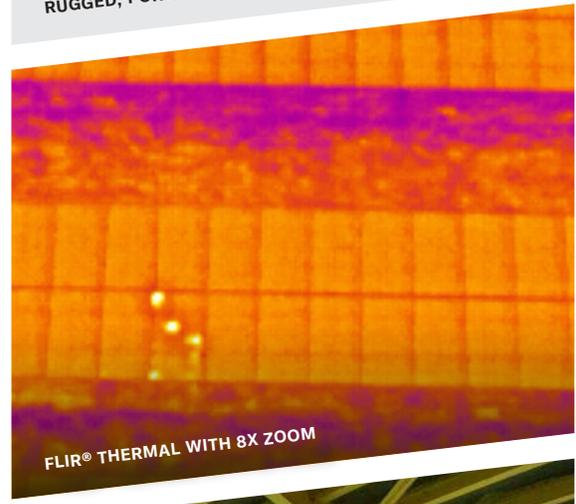


Unmatched Autonomy Meets Enterprise Performance

Skydio X2E Color/Thermal is the ultimate UAS solution for aerial situational awareness and search & rescue missions. X2E is powered by Skydio Autonomy Enterprise, an AI-driven autonomous flight engine that enables unparalleled 360° obstacle avoidance, autonomous tracking, GPS-denied navigation, and complete workflow automation. X2E is designed with a ruggedized, foldable airframe, GPS-based night flight, strobing lights in visible and IR wavelength, and a dual sensor payload with a 12MP color camera and FLIR® 320x256 thermal sensor. Built for enterprises and first responders, Skydio X2E is designed and assembled in the USA, and is compliant with the National Defense Authorization Act (NDAA).

Advanced Software Add-ons

- ⊕ **Skydio 3D Scan™.** Adaptive scanning to automate the image capture process to document complex structures and generate 3D models with comprehensive coverage and ultra-high resolution. Perform higher quality inspections and documentation faster and with minimal pilot training.
- ⊕ **Skydio Cloud.** Enables federated fleet management and seamless upload of flight media. No more manual handling of SD cards and hard drives.



Up to
3.7 mi / 6 km

Up to
35 min

AES-256 wireless
encryption

X2E Color/Thermal & Controller Specs

AIRCRAFT	
DIMENSIONS (UNFOLDED, FLYING)	26.1" X 22.4" X 8.3" (66 x 56 x 20 cm)
DIMENSIONS (FOLDED, NO BATTERY)	11.9" X 5.5" X 3.6" (30 x 15 x 10 cm)
WEIGHT (WITH BATTERY)	1325 g
FLIGHT TIME	Up to 35 minutes
MAX FLIGHT SPEED (SEA LEVEL, NO WIND)	31 mph (50 km/h)
MAX WIND SPEED RESISTANCE	23 mph
MAX SERVICE CEILING (ABOVE SEA LEVEL)	Up to 12,000 ft
OPERATIONAL TEMPERATURE RANGE	-10°C to 43°C

COLOR SENSOR TYPE	Sony IMX577 1/2.3" 12.3MP CMOS
COLOR LENS FOCAL LENGTH	41mm (35mm format equivalent)
COLOR VIDEO RESOLUTION	4K / 60 fps with 16x digital zoom
COLOR VIDEO FORMAT	MPEG-4 (AVC/H.264, HEVC/H.265)
COLOR STILL RESOLUTION	4056x3040 (12 MP)
COLOR DYNAMIC RANGE	13 stops
PITCH CONTROLLABLE RANGE	-110° to +45° (-110° to +90° with AEF)

