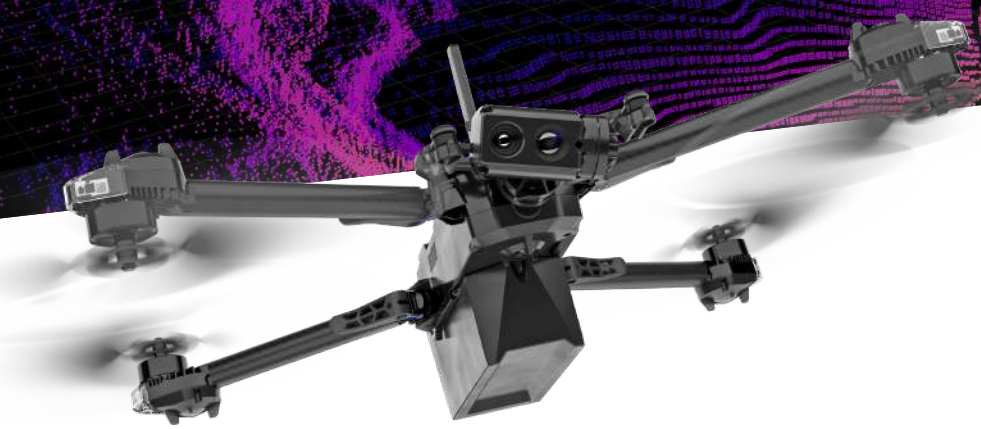
Skydio X2D Color/Thermal



FLIR® THERMAL WITH 8X ZOOM

Unmatched autonomy that turns every operator into an expert pilot

Skydio X2D Color/Thermal is the ultimate UAS solution for aerial reconnaissance and situational awareness. X2D 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. X2D 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 to exceed the Short-Range Reconnaissance (SRR) requirements for the U.S. Army, Skydio X2D is designed and assembled in the USA, and is compliant with the National Defense Authorization Act (NDAA).

Optional 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.

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)
THERMAL SENSOR TYPE	FLIR Uncooled VOx microbolometer
THERMAL RESOLUTION	320x256
THERMAL LENS FOCAL LENGTH	9.1mm
THERMAL FRAMERATE	30fps

WIRELESS ENCRYPTION	AES-256
FIRMWARE	Signed and encrypted