

SkyCross-2400



Long Endurance portable VTOL drone for mapping and surveillance

VTOL



Robust Frame



2h Endurance



High Stability



61MP Camera



Technical specifications : SkyCross-2400

Hardware

Drone type	UAV QuadPlane VTOL (Vertical Take-Off and Landing)
Max take-off weight	7.5 kg
Weight (empty)	4.65 kg
Max. payload weight	1 kg
Wingspan	240 cm
Dimensions of SkyLand-2400	Wingspan 2400mm, Length 1150mm, Height 300mm
Battery capacity	22000 mAh or 27000 mAh
Battery type	Lipo or Li-ion
Radio link	CE 12 km – FCC 20 km
Onboard GPS	GPS, Glonass and Beidou
Travel hardcase	Aviation Aluminium Case (1150*400*350mm) - Small volume
Flight speed - Operational cruise speed	75 km/h
Max. Speed	100 km/h
Wind resistance	50 km/h
Maximum flight time	Up to 110 min
Crossing distance	145 km
Weather	IP54
Temperature	-10 to +50 °C
Max. Service Ceiling ASL	4000m

Data link and RC system

Module name	Herelink Controller
Frequency range	2.4GHz ISM
Transmission Range	FCC 20km CE / SRRC 12km
Video resolution	720p@30fps - 1080p@30/60fps

Sensors

RGB Camera:	Innotech camera 61MP or Sony RX1R II 42MP Full Frame
Thermal Camera:	Zoom : x20
Night Vision NightHawk2	Thermal Resolution : 640x480
Multispectral Camera	Blue, green, red, red edge, near-IR (global shutter, narrowband)
MicaSense RedEdge- MX	(With RGB Camera, Global shutter, aligned with all bands)

Details:

- Quick-assemble wing, modularize design, no tools needed
- Quick-assemble tail, could finish all the assemble in 1 minute.
- Left(red), right(green), and tail(white) flight indicators
- Easy-switch payload chamber
- Aviation Aluminum Case, easy to carry around.