

SkyCross-3400



Long Endurance portable VTOL drone for mapping and surveillance

VTOL



Robust Frame



3h Endurance



High Stability



61MP Camera



Technical specifications : SkyCross-3400

Hardware

Drone type	QuadPlane VTOL vertical take-off and landing
Material	Carbon fiber and composite
Max take-off weight	15.5 kg
Max. payload weight	3 kg
Wingspan	3378 mm
Dimensions of SkyLand-2400	Wingspan 3378mm, Length 1150mm, Height 300mm
Battery capacity	2 x 30000 (mAh)
Battery type	Lipo or Li-ion
Radio link	CE 12 km – FCC 20 km / 50km with long range option
Onboard GPS	GPS, Glonass and Beidou
Travel hardcase	Aviation Aluminium Case (1350*570*460mm) - Small volume
Flight speed - Operational cruise speed	79 km/h
Max. Speed	120 km/h
Wind resistance	Cat. 6
Maximum flight time	Up to 210 min
Weather	IP45
Temperature	-10 to +50 °C
Max. Service Ceiling ASL	4000m

Data link and RC system

Module name	Herelink Controller or Innotech-Drone GS
Frequency range	2.4GHz ISM
Transmission Range	FCC 20km CE / SRRC 12km or 50km with long range Innotech-Drone GS
Video resolution	720p@30fps - 1080p@30/60fps

Sensors

RGB Camera:	Sony α7R IV 61MP, Sony RX1R II 42MP or oblique camera SHARE 102S
LiDAR System:	Yellowscan Mapper+ or RIEGL miniVUX-3UAV
Thermal Camera:	Nighthawk2-UZ or Colibri 2 from NextVision
Multispectral Camera	MicaSense RedEdge- MX Blue, green, red, red edge, near-IR (global shutter, narrowband) (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.