

SkyCross-2400



Long Endurance portable VTOL drone for mapping and surveillance

VTOL



Robust Frame



Endurance



High Stability



61MP Camera



Technical specifications : SkyCross-2400

Hardware

| | |
|---|---|
| Drone type | UAV QuadPlane VTOL (Vertical Take-Off and Landing) |
| Max take-off weight | 8.2 kg |
| Weight (empty) | 4.65 kg |
| Max. payload weight | 1.2 kg |
| Wingspan | 240 cm |
| Dimensions of SkyLand-2400 | Wingspan 2400mm, Length 1150mm, Height 300mm |
| Battery capacity | 22000 mAh or 27000 mAh |
| Radio link | CE 12 km – FCC 20 km |
| Travel hardcase | (1300*440*500mm) - Small volume |
| Flight speed - Operational cruise speed | 72-80 km/h |
| Max. Speed | 108 km/h |
| Wind resistance | 50 km/h |
| Maximum flight time | Up to 110 min |
| Maximum flight time with Rx1R2 | 100 min |
| Crossing distance | 132 km |
| Weather | IP54 |
| Temperature | -10 to +50 °C |
| Max. Service Ceiling ASL | 4000m |
| PPK / RTK | GPS/QZSS L1C/A, L2C GLONASS L1OF, L2OF BeiDou B1I, B2I Galileo E1-B/C, E5b |

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