



SLL3 Aerial Drone

Easy-to-use aerial drone for smart surveying

The Satlab SLL3 provides a complete UAV solution for construction, mapping and surveying. Quick to set up and easy to operate, it enables you to collect data quickly, improving your workflow and performance in the field.

- Learn how to fly in just 30 minutes
- Simple instructions for assembly in just 5 minutes
- Swift and fast initialization time within 5 minutes
- Beaufort scale level 5 wind speed operations
- Set the home point for the drone to land with precision
- Automatic retraction of legs after take off
- Free from line of sight for phototaking

Dimension	2150mm x 2150mm x 530mm
Minimum Take-off Height	1500mm
Weight	2kg
Weight With Accessories	5kg
Flight Time	>50 Mins
Speed	5m/s ~ 10m/s
Max Payload Take-off	14kg

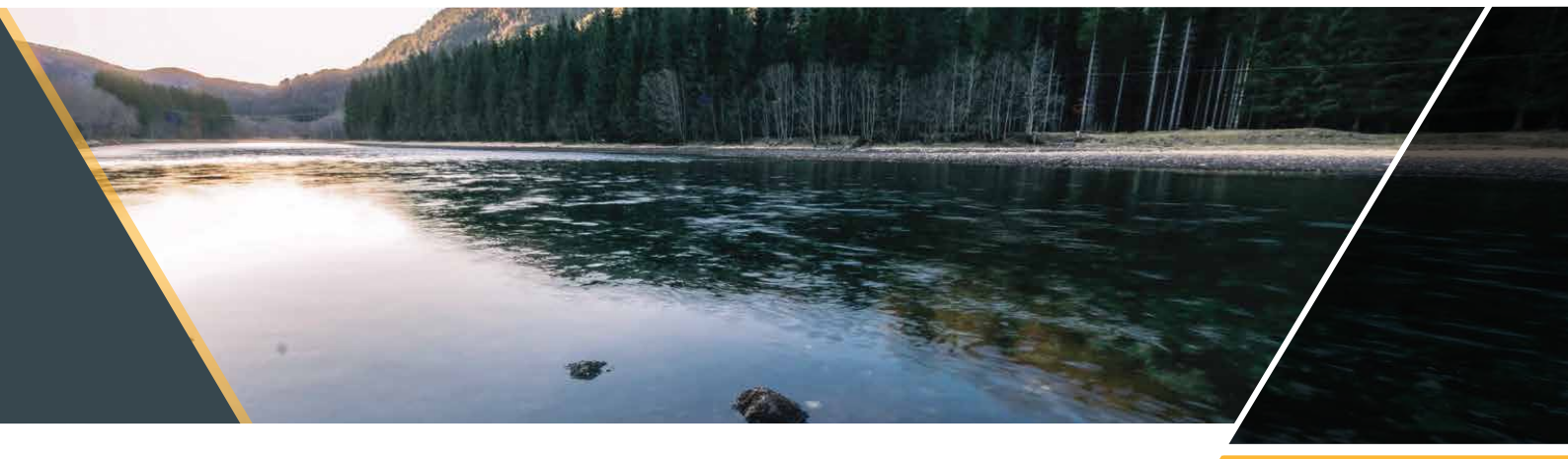
Highest Altitude	5000m
Max Cross-wing Tolerance	13m/s
Take-off	Vertical Take-off
Landing	Vertical Landing
Battery	6s 16000 mAh x2
Accessories	Sony RS1R2 + 35mm F2 Sony RX1R2 x 2 + 35mm F2

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Application Solution: Hi-res Single/Duo Camera UAV

Operation Workflow

It includes a SonyRX1RII +35mm F2 Camera + Sensor + Camera fixture, along with a Futaba T8FG Remote controller unit and XTend data transfer, which uses Windows 10 operating system and other sensors like windspeed, battery etc. Data information, including RTK are infused into point cloud data.

Application

- High resolution with a small area survey
- Suitable for a land size of up to 5km²
- Hi-res data collection with capabilities to shrink to 1:500 etc
- Able to survey with uneven grounds

Surveying System

- It has on-site routes planning capabilities and a weather forecasting feature to ensure the data quality collected. This UAV includes automatic take-off, automatic data acquisition, RTK processing and automatic landing.
- High-precision post-processing software is available for data export, aerotriangulation adjustment, DEM, DOM modeling as well as DLG map producing.
- Comparing with the well-known foreign softwares, SkyPhoto software is much more efficient as it has the most integrated domestic software that provides a one-stop solution for surveyors. Its functions include camera clibration, aerotriangulation, adjustment, fast image stitching and DEM/DOM/DLG map producing. The airborne RTK module with differential data ensures the high precision of the system.