

SLL3

Versatile Multi-rotor UAS



Building the Future with
**Accuracy
& Precision**



Designed and Engineered in Sweden

SLL3

Versatile Multi-rotor UAS

Data Specifications



PHYSICAL PROPERTIES

UAV Type	Multi-rotor UAV (6 rotors)
Dimensions	1620 x 1410 x 500mm
Diagonal Wheelbase	1500mm
Service Ceiling	5000m
Max. Take-off Weight	15.0kg
Max. Payload Weight	5.0kg
Max. Pitch Angle	30°

FLIGHT PERFORMANCE

Flight Time (with 1.0kg payload)	54mins
Cruise Speed	0-15m/s
Wind Resistance	Take-off and Landing 8m/s Airborne 12.5m/s

SOFTWARE

Flight Mission Planner	Satlab Ground Control Station
Operating System	Windows 7 OS (or above version)
PPK Post-Processing Software	Satlab PPK Go (One Permanent License)
Aerial Triangulation and Modeling Software	Compatible with PIX4D and Context Capture

MAPPING

Camera Storage	64GB SD card (up to 128GB)
Absolute Accuracy (with PPK enabled)	Horizontal down to 1cm RMS Vertical down to 2cm RMS
GCPs required	No (with PPK Option)

GIMBALS

Ortho Photography	Dimension	195x175x175mm
	Weight	Total: 1.0kg, Camera: 520g
Oblique Photography	Camera	Sony RX1RM2, Full Screen, 42.2 mil. pixels, Zeiss 35mm Lens
	Photos per Spot	6
Laser Scanner	Data Effectiveness	100%
	Photo Shoot Intervals	1s
General Properties	Stablizer	Servo-type
	Dimension	330 x 110 x 210mm
General Properties	Weight	Total: 1.6kg, Camera: 520g x 2
	Camera	Sony RX1RM2, Full Screen, 42.2 mil. pixels, Zeiss 35mm Lens
General Properties	Photo Shoot Intervals	1s
	Stablizer	Servo-type
General Properties	Model	Satlab SUL-1
	Weight	3.2kg (with battery)
General Properties	Range	0.5 - 100m
	Scan Rate	300,000 points/s
General Properties	Accuracy	10cm RMSE @ 60m Range



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GENERAL PROPERTIES

Transmission Distance	>10km
Operating Frequency	900Mhz
Operating Temperature	-10°C to 45°C
Battery	6S 22000 mAH x 2, 501.6 WH x 2
Auto Pilot Communication Port	MicroUSB
Auto Pilot Storage (IMU-pos)	8GB microSD card, up to 32GB
Remote Control	Futaba T12K 2.4GHZ 14 Channels