

## | CAMERA OPTIONS

### C20

#### BASIC CAMERA



Pixel count	24.3 MP
Weight	300 g
CMOS Size	23.5mm × 15.6 mm
Minimal trigger time	0.7 s
Focal length of lens	35mm
Power supply	Dual redundant power supply
Attitude accuracy	< 0.02°
Communication	CAN

### C50

#### OPTIONAL CAMERA



Size	145mm × 145 mm × 135 mm
Weight	800 g
Pixel count	120 MP
CMOS Size	35.9mm × 24 mm
Focal length of lens	25mm / 35mm (45°)
Power supply	Dual redundant power supply
Minimal trigger time	0.65 s
Trigger configuration	Remote configuration from ground station
CMOS Size	35.9mm × 24 mm
Storage	Expandable to 164 GB
Communication	CAN

## E300 RTK DRONE

#### GENERAL SPECIFICATIONS

Drone type	Quadcopter with 4 propellers
Work mode	RTK / PPK
Take-off & landing	Automatic
Max flight time	60 min, without payload 50 min, with 1kg payload
Measurement radius	10 km
Assembly time	Start < 1 min / finish < 1 min

#### FLIGHT SPECIFICATIONS

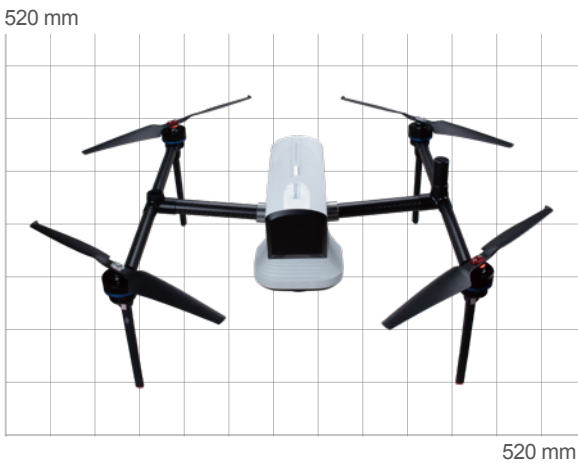
Max level flight speed	20 m/s
Max climb speed	6 m/s
Max cruise speed	15 m/s
Max flight altitude	1000 m
Wind resistance	17.1 m/sec (level 7)

#### GNSS SPECIFICATIONS

GPS	L1 C/A, L2C, L2P, L5
BeiDou	B1, B2, B3
BeiDou Global	B1C, B2a
GLONASS	L1 C/A, L1P, L2 C/A, L2P
Galileo	E1/E5-a/E5-b/AltBOC/E6
QZSS	L1C, L2, L5, L1C/A
RTK Accuracy	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical
PPK Accuracy	8 mm + 1 ppm Horizontal 15 mm + 1 ppm Vertical

#### PHYSICAL SPECIFICATIONS

Size	520 × 520 × 240 mm, unfolded 520 × 160 × 240 mm, folded
Working temperature	-30°C ~ 50°C
Weight without payload	1.8 kg
Payload	Up to 3 kg
Max take-off weight	7 kg
Size of box	580 × 360 × 200 mm



Size: 520 × 520 × 240 mm

Weight: 7kg

Specifications subject to change without notice.



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**SinoGNSS**<sup>®</sup>  
By ComNav Technology Ltd.

## E300 RTK DRONE



Fast Assembly



Easy to Carry



60min Battery



High Accuracy



# | PRODUCT COMPONENTS



- 01 | Landing Gears
- 02 | GNSS Helix Antenna
- 03 | Detachable Drone Blades
- 04 | Rugged Body
- 05 | Dustproof Motor
- 06 | Folding Structure
- 07 | Camera Gimbal
- 08 | Battery



- 09 | Transport Case

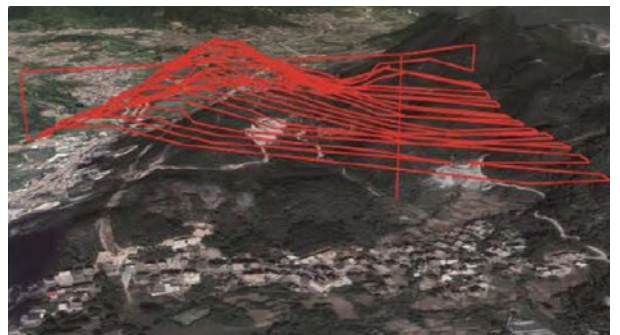
# | FEATURES



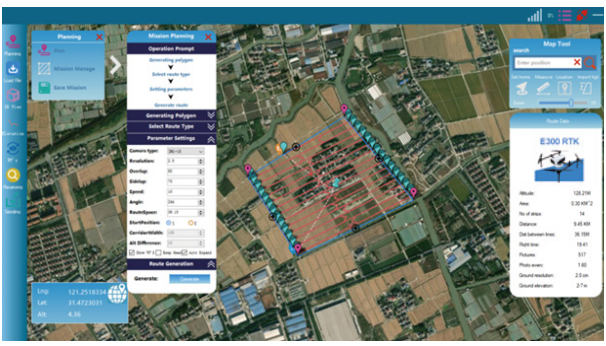
**PROFESSIONAL PAYLOAD**  
Detachable design and multiple payload options for your various purposes.



**SAFETY & EFFICIENCY**  
Redundancy design on the key modules ensure the safety. 60min long working time for higher efficiency.



**TERRAIN AWARENESS**  
Based on intelligent recognition algorithms, ensuring the consistency of image resolution.



**INTELLIGENT ROUTE PLANNING**  
Support automatic route generation, manual route editing or KML file import.



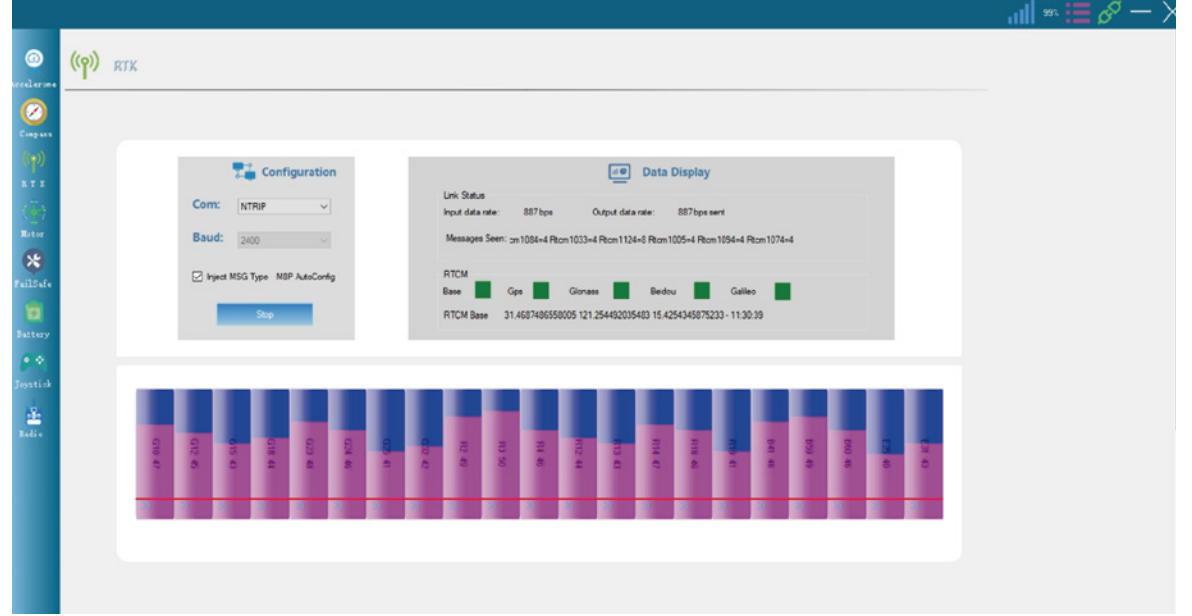
**FREE OF GCPS**  
Embedded with high precision GNSS module, providing centimeter accuracy without GCPS.



**SMART BATTERY DESIGN**  
Automatic control of dynamic battery charging and discharging, voltage load balancing and prolonging battery life.

# | FLIGHT CONTROL SOFTWARE

Partnered flight control software equipped with clear interface, easy workflow, powerful fight control capability, which can completely satisfy the the requirements of high-efficiency, high-quality and high-precision aerial survey operations.



- Clear interface and operation guidance of flight route planning, making it convenient and fast to plan a flight task.
- Perform automated flight missions after connecting the drone, human operation during the whole flight only includes execute, pause and end the task.
- Support manual control of the flight attitude via computer keyboard. Click the "Pause" button to enter the manual control mode in special circumstances.
- Wait for the next instruction at a safe altitude when returning from the flight mission and landing, the flight can only be continued under safe conditions.