




H600 Specifications

Version : V0.2

Product Type : H600

	H600 Drone System	Product Type	H600
product Description	<p>The H600 hexacopter for industrial applications has a low-noise flight design, simple and practical mission functions, and is convenient for on-site operation. It is equipped with different payload solutions and reserves a wealth of external interfaces. It can perform multi-mission applications and is mainly used in cities planning, resource exploration, inspection, building information modeling and other common applications.</p> <p>Key features:</p> <ul style="list-style-type: none">✧ Superiors reliability design, a portable hexacopter system solution, with 5 motors emergency mode;✧ All band supported antenna, optional RTK module for high-precision navigation;✧ RTK version equipped with dual GNSS position module, GPS+RTK Mode (dual GPS navigation antenna);✧ Independently developed flight platform, safer and more efficient;✧ Supports offline caching map data;✧ Mission plan and execution is supported via the ground station.		
	<p>Product Appearance</p> <div></div> <div></div> <div></div>		

Main functions		
<ol style="list-style-type: none"> Supported Working Mode: Basic Flight Mode (Sport, Angle, Manual, RTL, Indoor), Auto Pattern Mission, Auto Waypoint Mission, Photo Capture and Video Record; 45 Minutes Flight Time without Payload; Max. Payload weight: 1kg; Supports 5 Motors Emergency Mode and Motor Emergency Shut Down Function; RTK version equipped with dual GNSS positioning, GPS+RTK Mode (dual GPS navigation antenna); Supports T-One telemetry and video integrated ground station to control flight and monitoring the video feedback; Reserve a wealth of external interfaces, easily for users to add application modules on the drone in the future; <ul style="list-style-type: none"> Reserved external interfaces: <ul style="list-style-type: none"> - USB 3.0 Type A - GMAC 1000MB - Type-C Port - XT30 Power Supply Port Reserved expansion interfaces at the bottom (GPIO,PWM and UART) Detachable gimbal camera interface (X-Connector), convenient for application in different scenarios by switching the payload. 		
Specifications		
Drone	Number of Propellers	6
	Motor Shaft Distance	610mm
	Weight (With Gimbal Bracket, No Battery and Payload)	1.6kg
	Reserved Expansion Interfaces	<ul style="list-style-type: none"> - GPIO - USB 3.0 Type A - GMAC 1000MB - Type-C Port - PWM - UART - XT30 Power Supply Port
	Max. Payload Weight	1kg
	Max. Take-off Weight	3.7kg
	Battery	Single Intelligent Battery
	Battery Dimensions	178×75×72mm
	Battery Weight	1.1kg
	Battery Capacity	9800mAh
	Drone Unfolded Dimensions	655×655×382mm
	Drone Folded Dimensions	263×342×382mm
	Propellers diameter	293mm
	Blade Pitch	5.2inch
	Max. Flight Time	50min
	Max. Remote Control Distance	FCC:15km CE: 8km
	Anti-Wind Capability	13m/s
	IP Rating	IP44
	Max. Flight G-Speed	Sport Mode:19m/s (64.8 km/h) Angle Mode:10m/s (36 km/h)

Drone	Max. Flight Altitude	4000m Above the MSL
	Max. Ascend Speed	5m/s
	Max. Descent Speed	4m/s
	GNSS Positioning System	All Band Supported Antenna, Optional RTK Module For High-Precision Navigation: GPS + GLONASS + BeiDou + GALILEO Or GPS+RTK Mode (Dual GPS Navigation Antenna) (Optional)
	Hovering Accuracy	Vertical: $\pm 0.5\text{m}$ (GPS) $\pm 0.1\text{m}$ (RTK) Horizon: $\pm 1.5\text{m}$ (GPS) $\pm 0.1\text{m}$ (RTK)
	RTK Positioning Accuracy	Vertical: 1.5cm + 1ppm Horizon: 1cm + 1ppm
Ground Station Integrated Remote Controller	Product Name	T-One
	Screen Size	7 inches
	Remote Controller Dimensions	209.6×201.6×109mm
	Screen Resolution	1920×1200
	Max. screen brightness	1000nits
	Hardware	Cortex-A72 + Cortex-A53 ROM 32GB + RAM 4GB GPS + GLONASS
	Battery Life Time	100% Brightness: Approximate 5 hours <80% Brightness: More than 7.5 hours
	Weight	Less than 1.2kg
	Max. Remote Control Distance (At the Best Condition)	$\geq 15\text{km}$
	Channels	16 Channels
	Video Signal Channel	2.4/5.8GHz OFDM
	IP Rating	IP44
	Video Output Port	HDMI
	External Ports	USB 2.0 / USB 3.0 / HDMI / Micro SD / Type-C
	Battery Capacity	7.6V 10000mAh (21700)
	Operating Temperature Range	-20°C~ 50°C
Intelligent Balance Charger	Charger Dimensions	150×87×65mm
	Charging Capability	1 Battery can be charged at a time
	Screen	0.96 inches Dual Color OLED Screen
	Power Input	90 - 264V AC
	Operating Temperature Range	-10°C~ 50°C
	Max. Power	200W