Parameter		G330 Pro
	Product images	
Aircraft		
	Takeoff weight	G330 Pro：1000 g
	size	Folding: Length 240mm, Width 136mm, Height 101mm Expand: Length 383 mm, Width 270 mm, Height 101 mm
	Maximum ascent speed	8 meters per second
	Maximum descent speed	6 meters per second
	Maximum horizontal flight speed (no wind near sea level)	20 meters per second
	Maximum takeoff altitude	6000 meters
	Maximum flight time	43 minutes
	Maximum hover time	40 minutes
	Maximum effective signal distance (no interference, no obstruction)	FCC： 15 KM CE：8 KM The above data was measured in an open and unobstructed outdoor environment, and is a one-way non return flight under various standards The maximum communication distance for travel, please pay attention to the return prompt on the app during actual flight.
	Maximum wind resistance speed	12 meters/s
	Ambient Temperature	-10℃ ~ 40℃
	Satellite Navigation System	GPS + GLONASS+ Bei Dou
	Hover accuracy	Vertical ±0.1 meters (when visual positioning is working normally) ±0.5 meters (when GNSS is working normally) Level: ±0.3 meters (when visual positioning is working normally) ±0.5 meters (when the high-precision positioning system is working normally)
Thermal imaging		
	Types of thermal imaging sensors	Uncooled vanadium oxide (VOx)
	Resolution	640*512
	Pixel size	12um
	NETD	≤40mk@f1.0/25℃
	Working band	8~h14um
	Temperature measurement range	-40 ~ + 550
	Video interface	USB2.0/DVP1.8V
	Frame rate	30Hz
	Startup time	≤4s
	Communication interface	UART-TTL/USB
	Power supply range	DC: 5V(±10%)
	Average power consumption	0.55W/5V @23±3℃

	Working temperature	-40℃~+65℃
	Storage temperature	-45℃~+85℃
Camera		
	image sensor	Effective pixels: 48 million
	lens	Perspective: 80° Equivalent focal length: 25 millimeters Aperture: F1.7:10 meters to infinity
	ISO Scope	Video: 50 to 6400 Photo: 50 to 6400
	Shutter speed	Electronic shutter: 2 seconds to 1/8000 seconds
	Maximum photo size	5700x3200
	Picture format	JPEG
	Photo shooting mode and parameters	Single shot: 18 million pixels Low-light smart camera: 18 million pixels
	Video resolution	H.265 4K:3840x2160@25fps FHD:1920x1080@50fps
	Video	MP4（H265）
	Maximum video bitrate	Wide-angle camera 4K:40Mbps FHD:40Mbps
	Support file system	FAT32
	Digital zoom	Wide-angle camera: 56x zoom
PTZ		
	Stabilizing system	Three-axis mechanical pan-tilt (pitch, roll, yaw)
	Scope of structural design	Pitch: -135° to 45° Roll: -45° to 45° Yaw: -80° to 80°
	Controllable rotation range	Pitch: -90° to 35° Yaw: -5° to 5°
	Maximum control speed (pitch)	100°/s

	Angle jitter amount	Windless hovering: ±0.003° Normal gear: ±0.005° Sport gear: ±0.008°
Perception		
	Perception system type	Omnidirectional binocular vision system, supplemented by light flow obstacle avoidance at the bottom of the body
	foresight	Ranging range: From 0.5 meters to 20 meters Detectable range: From 0.5 meters to 200 meters Effective obstacle avoidance speed: The flight speed is ≤ 15 meters per second Perspective (FOV) : 90° horizontally, 103° vertically
	rearview	Ranging range: From 0.5 meters to 16 meters Effective obstacle avoidance speed: The flight speed is ≤ 12 meters per second Perspective (FOV) : 90° horizontally, 103° vertically
	side-looking	Ranging range: From 0.5 meters to 25 meters Effective obstacle avoidance speed: The flight speed is ≤ 15 meters per second Perspective (FOV) : 90° horizontally, 85° vertically
	Up view	Ranging range: From 0.2 meters to 10 meters Effective obstacle avoidance speed: The flight speed is ≤6 meters per second Perspective (FOV) : 100° front and back, 90° left and right
		Ranging range: From 0.3 meters to 18 meters Effective obstacle avoidance speed: The flight speed is ≤6 meters per second Perspective (FOV) : 130° front and back, 160° left and right
	Effective use of the environment	Front, back, left, right, top The surface has rich textures and sufficient lighting conditions (greater than 15 lux, with positive indoor fluorescent lamps) Frequently exposed environment Below: The ground has rich textures and sufficient lighting conditions (greater than 15 lux, with the indoor fluorescent lamps shining brightly) In frequently exposed environments, the surface is made of diffuse reflective material with a reflectivity greater than 20% (such as walls) Trees, people, etc.
Image transmission		
	Image transmission scheme	
	Real time image transmission quality	Remote control: Relay: 1080p
	Working frequency band	5.725 GHz ~ 5.850 GHz

	Transmitting power (EI RP)	5.8 GHz: <26 dBm（FCC）
	Maximum effective signal distance (No interference, no obstruction)	Unobstructed Strong interference: Urban center, approximately 1.5 to 3 kilometers Central interference: A nearby county town, approximately 3 to 9 kilometers away Minor disturbance: Far suburbs/seaside, approximately 9 to 15 kilometers
	Maximum download speed	80MB/s
	Minimum Delay	200 milliseconds
	Antenna	Dual antennas, dual transmission and dual reception
Battery		
	capacity	5200 mAh
	weight	342 g
	nominal voltage	14.8V
	Limited charge voltage	17 V
	Type	Li-ion 4S
	energy	77 Watcher
	Charging environment temperature	5℃ ~ 40℃
	Charging time	≈ 120 Minutes
charger		
	input	AC 100240V 1.5A
	output	16.8V/3A
	rated power	Portable charger: 50 watts
Parts list		
	Standard version	G330 Pro aircraft * 1 G330 series 6.0-inch screen remote control * 1 (language support: Chinese, English, Russian) Language, Belarusian) G330 flight battery * 2 Propeller (pair) * 4 Portable charger * 1 USB 3.0 Type-C data cable * 1