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# Aircraft Specifications

**Garuda Robotics**

# Cerana **ONE** Pro



## Standard Edition

<b>Dimensions</b>	Storage configuration, folded	500 mm (W) × 380 mm (D) × 230 mm (H) 630 mm (diagonal)
	Flight configuration, rotors open	950 mm (W) × 950 mm (D) × 450 mm (H) 1,344 mm (diagonal)
<b>Weights</b>	Dry weight (no battery)	3,700 g
	With standard batteries	6,300 g
	Max payload	1,200 g
	Maximum Takeoff Weight (MTOW)	7,500 g
<b>Performance</b>	Flight time with no payload	42 min
	Maximum height (service ceiling)	3,000 m AMSL
	Maximum speed	12 m/s
	Wind resistance	12 m/s
<b>Propulsion</b>	Configuration	Quadrotor
	Rotor diameter	20" (508 mm)
	Rotor material	Carbon fiber reinforced polymer
<b>Avionics</b>	Garuda CoPilot	Generation 2 Embedded
	Flight Control Computer	mRo Control Zero H7
	IMU	Triple, redundant
	GNSS	Dual F9P RTK (GPS, GLONASS, BeiDou, Galileo)
	RTK performance (with base)	±0.025 m + 1 ppm CEP (horizontal) in FIX
<b>Awareness</b>	Forward sensing	1080p camera, 60° (H) x 40° (V) FOV Stereo depth camera Radar, max 40m range
	Downward sensing	1080p camera, 60° (H) x 40° (V) FOV
<b>Connectivity</b>	Frequencies	2.4 GHz ISM, 5G / 4G
	Cellular bands (4G)	B1/B3/B5/B7/B8/B20/B28/B34/B38/B39/B40/B41
	Cellular bands (5G)	N41/N77/N78/N79, NSA and SA modes
	SIM	2x Nano SIM (user accessible)
<b>Control</b>	VLOS operations	Handheld controller with 5.5" screen
	BVLOS operations	Plex Horizon from Drone Operations Center
<b>Power</b>	Battery configuration	Dual, redundant
	Battery chemistry	Lithium Polymer
	Battery voltage	22.2V
	Cell configuration	6S1P
	Capacity (per battery)	10,000 mAh
	Weight (per battery)	1,300 g
<b>Environmental</b>	Operating temperatures	-10°C to 50°C (14°F to 122° F)
<b>Availability</b>	Release date	June 2022
	Status	General availability