

△ IDROBOTS

MODEL: PURIFIER 0.1



<u>PURIFIER DRONE SPECS</u>	
Dimensions	Folded (with propellers) 653 x 656 x 471mm (Length×Width×Height)
	Max Ascent Speed
	6 m/s
Max Flight Height	35 Meters (Limited by Cable)
Max Wind Speed Resistance	5 m/s
Max Pitch/ Roll Angle	20°
Operating Ambient Temperature	-10° to 35° C (14° to 95° F)
GNSS	GPS + Galileo + BeiDou
Hovering Accuracy Range	Vertical: ±0.5 m (with GNSS Positioning) Horizontal: ±0.5 m (with High-Precision Positioning System)
Sensing	Forward: Measurement Range: 0.5-10 m
Detection Range: 0.5-20m (Keep safe distance from the cleaning objects)	Downward: (Optional LiDar for Vertical accuracy)
	Camera
	FPV Camera Resolution: FHD 1080p
Radio Control	Frequency Band: 2.4GHz ISM ; Latency Min 110ms ; Interference recovery: <1s Signal Bandwidth: 20MHz/10MHz; Antennas: 2 Omni directional antennas
Max Transmission Distance (unobstructed, free of interference and aligned with controller)	Modes FCC 10km, CE/SRRC 6km;
Tether Power System	Recommended usage:
Under 20° C Ambient temperature for every 60 minutes , 5 to 10 min brake to cool down motors up to 8 hours flight time per day	Over 20° C Ambient temperature for every 60 minutes , 15 to 20 min brake to cooling motors up to 8 hours flight time per day
	Safety Emergency Landing System
	Max 30 meters above ground / 1 minute flight time
<u>Water Jet Platform</u>	
Dual Mode Spear	Foam (Cleaning Agent) / Water (Wash)
Hose length	50 meters
Pressure	100 Bar

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