



Prokura Innovations

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VANGERA

Aircraft

Take Off Weight	:	4.5 kg
Max payload	:	500 gm
Max Ascent Speed (Quad Mode)	:	0.5 m/s
Max Descent Speed (Quad Mode)	:	0.5 m/s
Minimum Air Speed (Plane Mode)	:	12 m/s
Cruise Speed (Plane Mode)	:	16 m/s
Max Climb Rate (Plane Mode)	:	5.5 m/s
Max Climb angle	:	16 degrees
Max Speed	:	25 m/s
Max Service Ceiling Above Sea Level	:	3000 m
Max Flight Time	:	15 min
Max Range	:	18 km
Max Wind Speed Resistance	:	5 m/s
Max Bank Angle	:	20 degrees
Max Rotation Speed (Pusher)	:	8100 rpm
Max Rotation speed (Quad)	:	8000 rpm
Operating Temperature Range	:	10 - 50 deg C
Hovering Accuracy Range	:	0.5 m radius
GNSS	:	GPS, GLONASS



Operating Specifications

- Operational Altitude - 150ft - 10,000 ft (Above Sea Level)
- Fully Autonomous, Real Time GPS Waypoints
- Can fly in 16mph crosswinds
- Take Off and Land in small areas
- Real Time Telemetry Data
- Dual Mode - Wireless and Laptop
- Flight Management Integration

Main Battery

Battery Capacity	:	6000mah
Voltage	:	22.2V
Max Charging Voltage	:	25.2V
Battery Type	:	Li-Po
Energy	:	133Wh
Weight	:	840 gm
Charging Temperature	:	40-60 deg C
Max Charging Power	:	150Wh

Communication

Satellite System	:	Not Available
Operating Frequency	:	900 MHz, 2.4 GHz
Controllable Range	:	10km LOS

Softwares

App	:	DroneFly
Required Operating	:	Android v6.0 or later
Flight Software Version	:	Ardupilot Version 3+
Web App	:	DMS

Caution

- Do not operate the drones in restricted areas
- Double check the radio and telemetry
- Contact the local security body before flight
- Always check the battery and the secure connections