



Introduction: At Kambill Systems we are driven by the Technologies that can change the way the World works. Established in 2013 and lead by young entrepreneur, we offer World class Simulator & Simulation software solutions for all segments, Automotive Simulators, Customizable simulator range, UAV's/Drones (Unmanned Aerial Vehicles), GIS Mapping Software, Aircraft Spare Part solutions, AMC services and Training/Consultancies. We are the company that is bringing world leaders in simulation technology, Drones and Mapping solutions under one umbrella.

To take one step ahead *AVEOCATION* (A unit of Kambill Systems) brings first time in organised India and Global market "DRONE WORKSHOPS". As Unmanned Aerial Vehicle Systems (UAVS) are the most advance and rapidly growing Aviation Technology, used today in Mining, Real estate, Construction, Survey, Defence etc.

Specifications

- 5-10Kg capacity
- Six rotor propulsion system
- Endurance – 16-20 minutes.
- Powerful and precise propulsion system
- Range 1KM
- Max operational altitude-150 meters AGL
- Material – Carbon fiber.
- Additional features-
 - Package carrier can be installed.
 - Non fluctuating frequency connection.
 - Flexible operating environmental conditions 10 degree to 55 degree
 - Replaceable batteries.
 - Replaceable propeller.
 - Way point flying
 - Multi satellite GPS

DO's and DON'Ts

- **Do** brief your surrounding people before you fly on what you are doing with your legitimate reasons.
- **Do** secure any sensitive data against loss and theft if you have any.
- **Do** abide by the rules and regulations listed above every time you fly.
- **Do** a pre-flight checklist before Take-off every time as mentioned below.
- **Do** fly in line of sight or use a spotter.
- **Don't** fly over other people's private property.
- **Don't** fly over the prescribed altitude.
- **Don't** fly near the airports.
- **Don't** gather personal data for no reason.
- **Don't** harass people with your drone

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Specifications

Frame Specifications

Wheelbase : 1404MM
Expanded Size : 1495*1308*500MM
Tank capacity : 5Kg-10kg
Frame weight : 5kg

Recommended configuration

Motor : HobbywingX6
Paddle : 23-24" Folding Paddle
Folded size : 945*848*500MM
ESC : 80A FOC
Supply Voltage : 12S
Max. Takeoff Weight: 25kg

Brushless water pump specifications

Use Voltage : 12-14S (DC44-60.9V)
Maximum power : 150W
Pressure : 0.35Mpa
Current : $\leq 2.5A$
Travel range : 1100-1940us

Flow Rate : 5L / Minute
Protection Level : IP67
Weight : 388g (Without Wire 338g)
Size : 123 x 76 x 52mm

Flight Controller Specification's		
Supported Model's	I4, X4Four-rotor, IY6, Y6, 16, V6 Six-rotor V8, I8, X8, IX8 Eight-rotor	
Recommended Battery Type	3S-12S Lithium Polymer Battery	22,000mAh
External Receiver Type	SBUS receiver	
Support Product's (Radar, Camera & Meter's)	Obstacle Avoidance Radar*, Ground Imitation Radar*, FPV Camera, Flow Meter, Liquid Level Meter	
Assistant Software System Configuration Requirement's	Windows 7/8/10 (32/64 bit)	
Hovering Accuracy	horizontal direction: $\pm 1.5m$ Vertical Direction: $\pm 0.5m$	
Maximum Tilt Angle	30°	
Maximum Yaw Speed	150°/s	
Maximum Vertical Speed	6m / s	
Maximum Wind Resistance	Wind: 4 GUSTS: 5	
Power Consumption	< SW	
Working Voltage Range	FC	4.8V-5.3V
	PMU	Input 11.1V-50V (3S-12SLiPo Recommended) Maximum Output Current 3A@5V
	PMU2 (UPS)	Input 11.1V-50V (3S-12SLiPo Recommended) Maximum output current 3A@5V
	GPS	5V
	LED	5V
	Voltage	3S - 12s
Working Temperature	-10°C 60°C	
Storage temperature	-25°C~60°C	

Flight Controller Specification's		
Storage temperature	-25°C~60°C	
Colour	Green & Black	
Weight	Total Net Weight: 321g FC: 87g PMU: 41g PMU2 (UPS): 44g GPS: 45g LED: 14g	
Size	FC: 72.6*48*22.8mm	
	PMU: 53.4 * 34.4 * 14.5mm	
	PMU2 (UPS): 53.4*34.4*14.5mm	
	GPS: q62*14.3mm	
	LED:24 24*8mm	

Features:

1. Strong penetrability (including fog, smoke, dust, light rain) is not affected by light;
2. Strong anti-interference ability, good environmental applicability;
3. Stable performance, detection distance of 15m;
4. Power saving and high efficiency, the total power consumption is only 1.5W;
5. It works all day and all days;
6. Small size and light weight.