





IdeaFly Apollo Dimensions

## FEATURES (IdeaFly Apollo):

- Cool Appearance and Convenient for Carrying: the portable, streamlined design reflects the aesthetics of its industrial design, while also
  allowing the Pilot to easily pack it into a backpack for transport.
- **Precise Hovering and Self-leveling with GPS:** IdeaFly Apollo has an integrated flight control system including compass and GPS that provide precise position hold, fail safe and semi-autopilot. The aircraft flies stably under the control of iFly, barometer and GPS.
- Fail-Safe Mode: If the Apollo loses the signal from the controller for any reason or reaches preset 100 meter high or 300 meter distance limits, the return to home feature will initialize. The aircraft will ascend to 18 meters, then make a straight-line course back to the home position specified during GPS calibration. Once home the Quadcopter will safely descend to the ground and power itself off.
- **2** Axis Stabilization Gimbal: IdeaFly Apollo has an external adjustable gimbal designed for Boscam and GoPro cameras. Other similar light weight camera can also be mounted on the gimbal. Compared to those simple camera mounts that come with the kits made by other manufacturers, the gimbal on Apollo is controlled by the flight controller system and is self-leveling. A pilot can also tilt the camera to look up and down by turning the position on the transmitter. The Pilot conveniently capture flight footage for exciting POV shots.
- **2.4GHz Transmitter included:** IdeaFly Apollo contains a remote controller and receiver, which help the Pilot avoid the inconvenience of purchasing such things. The only thing needed to do is to add TX batteries (8 x AA dry cell or NiMH).
- Stabilized Manual, Auto Hover, and Return to Home Modes: The IdeaFly Apollo quadcopter has three different flight modes. The stabilized manual mode is semi-autopilot and a pilot has more control than other modes. In auto hover mode the quadcopter will stop as soon as you release the controls, and will stay hovering at a fixed horizontal and vertical position. This setting is the easiest to fly and is generally preferred for shooting video as the Quadcopter won't drift or be as susceptible to wind gusts. If return to home mode is trigged the aircraft will return the takeoff position automatically. To work Return to Home requires proper calibration and connection to more than four GPS satellites.
- Low Voltage Protection : The IdeaFly Apollo offers two levels of low voltage protection, a function of the iFly autopilot system. It prevents your multi-rotor from crashing or other harmful consequences caused by low battery voltage. In the first level of protection, the LED indicator blinks red to warn the Pilot. In the second level protection the system will trigger the aircraft to land automatically.
- **High-Intensity LED Indicators:** LED status light on quadcopter provides with various kinds of feedback and warnings. Colors alternate between red, blue and purple and can either be flashing or solid. These messages give to the Pilot valuable information such as whether the GPS is properly calibrated.
- Battery Supports 10 to 12 Minutes of Flight Time: With a Glacier 30C 2200mAh 3S Li-po Apollo can achieve a flying time of 10 to 12 minutes, which will gives to the Pilot a more extensive flight experience and longer recording sessions.
- Free Software: The product comes with a mini DVD that contains flight controller setup software, product manuals and introduction videos.



FEATURES (IdeaFly Apollo):

- Ready to Fly quadcopter. Install Landing Gears and battery.
- Equipped with IFLY-C6W controller and USB interface.
- Precise Hovering and Self-leveling guided by onboard GPS.
- Integrated 5.8G Wireless Image technology on top version.
- Two-Axis Stabilization Gimbal GoPro cameras (top version).
- Highlighted LEDs for night flights.
- The IdeaFly Apollo quadcopter it is equipped with four low noise and high performance brushless motors.
- Failsafe with auto-return and Back Home landing.
- Low Voltage battery protection.

## SPECIFICATIONS (IdeaFly Apollo):

- Dimensions: 28.0 cm x 31.0 cm.
- Motor to motor distance: 35.0 cm.
- Takeoff weight: lower than 1200 grams.
- GPS hovering: Vertical: ± 0.8 meter and Horizontal: ± 2.5 meters.
- Max Yaw angular velocity: 300 Degrees per second.
- Max tilt angle: 45 Degrees.
- Ascent/Descent speed: about 4 m/s.
- Max flight velocity: 5 m/s.
- Transmitter working frequency: 2.4 GHz.
- Live Video Transmitter frequency: 5.8 GHz.









