

# P600 UAV



## KEY FEATURES

- *2 kg weight, easy for carrying*
- *81 km/h super-fast cruising speed, up to a maximum of 92 km/h*
- *Rapid working period, 40 - 50 min for single task*
- *300 W brushless backward pushing motor*
- *Fully Automatic Operation (FAO)*
- *Convenient catapult-assisted take-off and safe parachute landing*
- *Support flying at 3000 m high altitude area*
- *24.7 mega pixel camera, present high quality data*
- *Simple operation, assembly of whole UAV system within 10 min*

With advanced modular design and massive tests, the CHC P600 UAV (Unmanned Aerial Vehicle) has proved its capability to complete high quality flight and aerial photography mission under harsh environment. Also, the reliability and stability of P600 win itself the reputation among the users.

Thanks to the small, lightweight and simple operation of P600, even a beginner can learn how to control within a short time.

## Diverse Application Possibilities

- ▶ Land Planning
- ▶ Railway and Motorway Drawing
- ▶ Water Resource Monitoring
- ▶ Geographical Condition Investigation
- ▶ Oil and Gas Pipeline Design
- ▶ Opencast Mine Surveying
- ▶ Cities and Towns 3D Modeling
- ▶ Geologic and Flood Hazard Response
- ▶ Agriculture and Forest Resource Investigation and Planning



**Reliable - Powerful - Competitive**

# Technical Specifications

| Physical                    |  |
|-----------------------------|--|
| Size (LxWxH)                | 1000 x 650 x 100 mm  |
| Weight                      | 2 kg   |
| Wing Span                   | 1 m  |
| Wing Area                   | 20 dm <sup>2</sup>   |
| Material                    | Foamed Polypropylene and Carbon-Fiber-Reinforced Structures                  |
| Battery                     | Lithium Polymer Battery, 11.1 V, 8000 mAh                                    |
| Propulsion                  | 300 W Backward-Pushing Brushless Motor                                       |
| Camera                      |  |
| Type                        | SONY NEX-7 Digital Camera  |
| Pixel                       | 24.7 Mega Pixel  |
| Aperture                    | F 2.8  |
| Sensor                      | APS-C, 16 mm Lens  |
| Flight Parameters           |  |
| Flying Speed                | 81 km/h for cruising, up to 92 km/h  |
| Flying Altitude             | 100 - 3000 m   |
| Endurance                   | 40 - 50 min  |
| Mission Distance            | 40 Km  |
| UAV Type                    |  |
| Type                        | Aerial Photography (SONY NEX-7)  |
| Take-off and Landing        |  |
| Take-off                    | Stretch Cord and Catapult  |
| Landing                     | Parachute  |
| Weather Condition           |  |
| Wind                        | < Level 4  |
| Rain                        | Light Rain   |
| Data Collection and Control |  |
| Transmission Frequency      | 434/868/912 (Customizable)   |
|                             | 19200 bps, half-duplex, 8 channels   |
| Transmission Distance       | 5 km for omni antenna, 10 km for directional antenna                         |
| Photographic Coverage       | 3 km <sup>2</sup> (GSD 5 cm), 5 km <sup>2</sup> (GSD 10 cm)                  |
| Ground Equipment            | Signal Control Box (Directional/Omni Antenna)                                |
|                             | Backup Battery (Optional)  |
|                             | Laptop (Optional), compatible with current mainstream aerial survey software |
| Control Software            | Ground Control Station Software  |
| Post-Processing Software    | Flight Matrix/Agisoft/Pix4UAV (Optional)                                     |
| Camera Calibration Software | Easy Calibrate (Optional)  |

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