



XP 3.1 Waypoint Specification

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Graphical Flight Assignments Programming

Multiple purpose waypoint	Maximum 50 waypoints with independent assignment information
Basic waypoint property	Altitude, Latitude, longitude, Flight speed, Start waypoint
Waypoint assignment	Camera Shutter/ Gimbals control, Airdrop Control, General Purpose Control Channel*
Mission mode selection	Patrol/ Single way from start point to end point
Turning mode selection	Independent turning mode for different waypoint: Stop and Turn/ Coordinated Turn*

Global Map Browser

Based on powerful Google Earth Geometry Information System (GIS), you can use our system in all over the world.

Safety Strategies

Strictly AI control logic design, ensure your safety operation. Most of the potential hazards could be eliminated automatically.

Electronics/ Electromechanical Airborne Equipments

- IMU
- GPS
- Pressure sensor
- Ultrasonic distance sensor*
- Digital compass
- Wireless data-link
- Image processing unit*
- Camera gimbals*
- Airdrop platform*
- General purpose controller*
- Mobile signal repeater*

Communication System

Hardware Interface	RS-232
Radio frequency	900 MHz / 2.4 GHz (Optional)
Data-Throughput	Maximum 11,520 bps (Optional)

Electronics Flight Instruments

- GPS coordinate indicator
- General speed indicator
- Fuel meter*
- Battery life indicator*
- Attitude indicator
- Altitude indicator
- RF signal strength indicator*
- Helicopter position tracker

Multiple Aircraft Control Mode

- Manual Mode under transmitter control
- Attitude Control Mode under transmitter aided control
- Autopilot Mode
- Semi-Auto Mode under Joystick aided control

Pre-Flight Simulation

Pre-Flight Simulation aims to help you get familiar with the Ground Station software in an virtual environment. You don't need to take off your real helicopter for the purpose to study the software operations.

System Operation Environments

Microsoft Window XP Home Edition/ Professional Edition, Microsoft Window Vista, Microsoft Window 7

Language Support

Chinese, English, Germany*

* Some of the functions are about to release in 05/2010 Please refer to <http://www.dji-inovations.com> for details