Guidance Release Notes

2016.03.03

1. Firmware upgraded to v1.4.0
2. SDK upgraded to v1.4.0
3. Assistant Software upgraded to v1.3

Major Updates

Firmware:

- Improved visual odometer algorithm with higher accuracy.
- Fixed ultrasound data fluctuation issue when aircraft altitude is below 30cm.

SDK:

- Global frame position output (must connect N1 flight controller).

Assistant Software:

- "Safety Distance" option for setting the minimum distance from obstacles.
- Now automatically detects sensor errors.
- Support for Windows 8 and 10.

Note:

(1) This firmware must be used with the N1 Flight Controller Firmware v3.1.5 or above.
(2) Obstacle sensing is disabled during the RTH procedure for the N1 Flight Controller Firmware v3.1.5. Be sure to set a suitable RTH altitude before every flight.

Guidance Release Notes

2015.09.22

1. Beta Firmware for Guidance updated to 1.3.7
2. Beta Firmware for Guidance SDK updated to 1.1.0
3. User Manual upgraded to v1.6

Major Updates

1. Add API function to read camera calibration parameters.
2. Add API function to read disparity image. Now developers can read disparity and depth images simultaneously.
3. Add API function to set the mode and parameters of camera exposure.
4. Output disparity and depth images in standard mode, as long as the obstacle sensing function is not activated.
5. SDK waits for ready signal from Guidance Core during initialization.
6. Fix the bug of the velocity and IMU frequency changing with image frequency.
7. Fix the bug of not outputting quaternion when not connected to N1 flight controller.

Guidance Release Notes

1. Firmware upgraded to v1.3.5
2. Assistant Software upgraded to v1.2
3. SDK upgraded to v1.0.0
4. User Manual upgraded to v1.4

Major Updates

SDK:
1. USB output for velocity data, obstacle distance data, IMU data, ultrasonic data, grey-scale images, and depth images.
2. UART output for velocity data, obstacle distance data, IMU data, and ultrasonic data.

Note:

(3) If you are using Guidance firmware v1.3.5, be sure to upgrade the Matrice flight controller firmware to v2.2.7 or above.
(4) The DJI Guidance Assistant is only supported by 32-bit and 64-bit versions of Windows 7 and windows 8.