



DOBBY Specification

Drone	
Weight	199g
Frame size (Prop size not included)	Opened : 135mm×145mm×36.8mm Folded : 135mm×67mm×36.8mm
Maximum takeoff altitude	3000m
Flight time	9 Minutes (at Sea Level)
Working Temp	0 ~ 40°C
Positioning Systems	Outdoor : GPS/GLONASS dual modes Indoor: Optical Flow + Ultra sound (Brightness>15 lux)
GPS mode maximum flight height	Country dependent
Control Distance	100m (Unobstructed, free of interference)
Optical flow working height	3m
Hovering accuracy	Vertical : +/- 0.1 M (Optical flow) ; +/- 0.5 M (Outdoor) Horizontal : +/- 0.3 M (Optical flow) ; +/- 1.0 M (Outdoor)
Wi-Fi	
Wi-Fi Band	2.4GHz : 5GHz EIRP 2.4G: 19 dBm
Wi-Fi Output Power	EIRP 5G: 25 dBm

Camera	
Image sensor	1/3.06 Inch CMOS ; 13 Mega pixels
Lens	FOV 75° ; 28mm (35mm equivalent) ; f/2.2 ; infinite focus
Camera tilting angle	-90°~ 22.5°
Maximum Photo resolution	4208×3120
Photo taking modes:	<ul style="list-style-type: none"> Single Timer Beauty Multiple (BURST) : 2~15 photos
Video modes	10s auto video mode* 1080P Electronic image stabilization(EIS)
ISO Range	100 ~ 3200
EV Range	- 12 ; - 8 ; - 4 ; 0 ; 4 ; 8 ; 12
Delay Timer	3s/5s/10s/20s
Video resolution	4K@30fps(RAW)1080p@30fps (EIS)
Media format	JPG/MP4 (MPEG-4 AVC / H.264)
Storage	16G
USB socket	Micro-USB
Battery	
Capacity	970mAh
Energy	7.37Wh
Voltage	7.6V
Battery type	LiPo 2S
Charging temp	0~45°C
Discharging temp	0~45°C
Charging voltage limit	8.7V
Charging station	
Station input socket	Type-C
Voltage	9V
Power	15W

App	
App Name	Do.Fun
Live Preview	640x480@30fps ; 320x240@30fps
Lag	160ms (Depends on environment and devices used)
Operating system requirement	Android 4.3 or above iOS 8.0 or above

Dobby flight controller Features:

- Indoor/Outdoor auto hovering.
- Auto take-off by throwing
- 10s-20s-30s Auto Pull-away Video
- Face Recognition
- Target Tracking
- Point of Interests
- Electronic image stabilization(EIS)
- Beauty mode for photo taking

Dobby APP Features:

- In built tutorials
- Control by on screen sliding
- Control by phone orientation
- Way points
- One click photo/video sharing

*The auto video mode means: In the app, once the auto video mode is selected, the drone will move according to a preset course and take a 10 seconds video. For example: Once selected, the drone will fly backwards slowly for 10 seconds while recording.