

Specification of Faith 2



1 Aircraft		
Size	Unfold : 182 X 255 X 74 mm (L*W*H) Fold:170 X 108 X 74 mm (L*W*H)	
Wheelbase	280 mm	
Weight (Battery & Propellers)	515g	
Max Ascent Speed	5m/s(sport mode) 2m/s(Normal mode) 2m/s(Calm mode)	
Max Descent Speed	2m/s(sport mode) 1.5m/s(Normal mode) 1.5m/s(Calm mode)	
Max Speed	19m/s(sport mode) 10m/s(Normal mode) 5m/s(Calm mode)	
Max Service Ceiling Above Sea	5000 m	
Max Flight Time	35 mins	no wind at a consistent 21km/h
Operating Temperature Range	0°C-40°C	
Satellite Positioning Systems	GPS/GLONASS	
Hover Accuracy Range	vertical : +/- 0.5 m ± 0.2 m (ultrasonic system,optical flow system works) horizontal : +/- 1.5m ± 0.3 m (ultrasonic system,optical flow system works)	
Operating Frequency	5.8GHz/2.4GHz	
Maximum flight height	120m , maximum 500m (need to change setting on app)	
2 Optical flow system		
Optical flow system	yes	
Operating Environment	Surface with clear pattern and adequate lighting (lux > 15)	
Velocity Range	≤1.5 m/s at 6.6 ft (2 m) above ground	
Altitude Range	0.5-5m	
3 Ultrasonic altitude system		
Ultrasonic altitude system	yes	
Operating Environment	except for surface of water or ground of absorbing material (such as thick carpet)	
Velocity Range	≤ 3m/s	
Altitude Range	0.2-4.5m	
4 3-axis gimbal		
Stabilization	3-axis (pitch:+30/-120° , roll:± 35°,course:±30°)	
Controllable Range	pitch: -90°-0°	
5 Camera		
Sensor	Ambarella A12,SONY CMOS:	
Image Size	5120*3840(20MP)	
Video Recording Resolution	3840x2160	
Maximum Video Bit	60 Mbps	
Supported File Systems	FAT32(≤32GB) /exFAT(>32GB)	
Photo	JPEG /JPEG	
Shooting mode	single shot,continuous shoot,delay shoot	
Video	MP4	
Supported SD Cards	Micro SD™ Max capacity:128GB. UHS-I Speed Grade 3 rating	
Operating Temperature Range	0°C-40°C	

6 Battery		
Capacity	3100mAh	
Voltage	11.4V	
Battery Type	LiPo 3S	
Energy	35.34 Wh	
Net Weight	196 g	
Charging Temperature Range	0°C~40°C	
Max charging power	35 W	
charge time	<5h(with 5V 2A adapter)	
7 APP		
Mobile App	C-Fly 2	
Live View Quality	720p	
Maximum FPV transmission distance	5km	No interference,no obstacle
Aerial photography mode	dronie,rocket,circle,helix,boomerang	
Required Operating Systems	Andrio 6.0 above. IOS 9.0above	
8 Charger		
Input	5 V 2A(recommend)	
Output	4.35V 0.7A*3	
9 Remote Controller		
Operating Frequency	5.8GHz/2.4GHz	
Max Transmission Distance	5000m(under FCC)	No interference,no obstacle
Operating Temperature Range	0°C~40°C	
Transmitter Power (EIRP)	FCC: ≤26 dBm CE: ≤14 dBm SRRC: ≤20dBm	
Operating Current/Voltage	500mA/3.7V	
Supported Mobile Device Size	Thickness Supported:6.5-8.5mm	
Battery capacity(built-in)	3.7v 2600 mAh	
Battery type	LiPo 18650	
Battery power	9.62 Wh	
Charge	USB	
Maximum charge power	5W	
charge time	< 3h(with 5V 2A adapter)	