

## AIRCRAFT

Weight (Battery & Propellers Included)	1388 g
Diagonal Size (Propellers Excluded)	350 mm
Max Ascent Speed	S-mode: 6 m/s P-mode: 5 m/s
Max Descent Speed	S-mode: 4 m/s P-mode: 3 m/s
Max Speed	S-mode: 45 mph (72 kph) A-mode: 36 mph (58 kph) P-mode: 31 mph (50 kph)
Max Tilt Angle	S-mode: 42° A-mode: 35° P-mode: 25°
Max Angular Speed	S-mode: 250°/s A-mode: 150°/s
Max Service Ceiling Above Sea Level	19685 feet (6000 m)
Max Wind Speed Resistance	10 m/s
Max Flight Time	Approx. 30 minutes
Operating Temperature Range	32° to 104°F (0° to 40°C)
Satellite Positioning Systems	GPS/GLONASS
Hover Accuracy Range	Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning) Horizontal: ±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)

## VISION SYSTEM

Vision System	Forward Vision System Backward Vision System Downward Vision System
Velocity Range	≤31 mph (50 kph) at 6.6 ft (2 m) above ground
Altitude Range	0 - 33 feet (0 - 10 m)
Operating Range	0 - 33 feet (0 - 10 m)
Obstacle Sensory Range	2 - 98 feet (0.7 - 30 m)
FOV	Forward: 60°(Horizontal), ±27°(Vertical) Backward: 60°(Horizontal), ±27°(Vertical) Downward: 70°(Front and Rear), 50°(Left and Right)
Measuring Frequency	Forward: 10 Hz Backward: 10 Hz Downward: 20 Hz

## Operating Environment

Surface with clear pattern and adequate lighting  
(lux>15)

# CAMERA

## Sensor

1" CMOS  
Effective pixels: 20M

## Lens

FOV 84° 8.8 mm/24 mm (35 mm format equivalent) f/2.8 - f/11 auto focus at 1 m - ∞

## ISO Range

Video:  
100 - 3200 (Auto)  
100 - 6400 (Manual)  
Photo:  
100 - 3200 (Auto)  
100 - 12800 (Manual)

## Mechanical Shutter Speed

8 - 1/2000 s

## Electronic Shutter Speed

8 - 1/8000 s

## Image Size

3:2 Aspect Ratio: 5472 × 3648  
4:3 Aspect Ratio: 4864 × 3648  
16:9 Aspect Ratio: 5472 × 3078

## PIV Image Size

4096×2160(4096×2160 24/25/30/48/50p)  
3840×2160(3840×2160 24/25/30/48/50/60p)  
2720×1530(2720×1530 24/25/30/48/50/60p)  
1920×1080(1920×1080  
24/25/30/48/50/60/120p)  
1280×720(1280×720 24/25/30/48/50/60/120p)

## Still Photography Modes

Single Shot  
Burst Shooting: 3/5/7/10/14 frames  
Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias  
Interval: 2/3/5/7/10/15/20/30/60 s

## Video Recording Modes

H.265  
C4K:4096×2160 24/25/30p @100Mbps  
4K:3840×2160 24/25/30p @100Mbps  
2.7K:2720×1530 24/25/30p @65Mbps  
2.7K:2720×1530 48/50/60p @80Mbps  
FHD:1920×1080 24/25/30p @50Mbps  
FHD:1920×1080 48/50/60p @65Mbps  
FHD:1920×1080 120p @100Mbps  
HD:1280×720 24/25/30p @25Mbps  
HD:1280×720 48/50/60p @35Mbps  
HD:1280×720 120p @60Mbps  
  
H.264  
C4K:4096×2160 24/25/30/48/50/60p @100Mbps  
4K:3840×2160 24/25/30/48/50/60p @100Mbps  
2.7K:2720×1530 24/25/30p @80Mbps  
2.7K:2720×1530 48/50/60p @100Mbps  
FHD:1920×1080 24/25/30p @60Mbps  
FHD:1920×1080 48/50/60 @80Mbps  
FHD:1920×1080 120p @100Mbps  
HD:1280×720 24/25/30p @30Mbps  
HD:1280×720 48/50/60p @45Mbps  
HD:1280×720 120p @80Mbps

## Max Video Bitrate

100 Mbps

Supported File Systems	FAT32 (≤32 GB); exFAT (> 32 GB)
Photo	JPEG, DNG (RAW), JPEG + DNG
Video	MP4/MOV (AVC/H.264; HEVC/H.265)
Supported SD Cards	Micro SD Max Capacity: 128GB Write speed ≥15MB/s, Class 10 or UHS-1 rating required
Operating Temperature Range	32° to 104°F (0° to 40°C)

## CHARGER

Voltage	17.4 V
Rated Power	100 W

## APP / LIVE VIEW

Mobile App	DJI GO 4
Live View Working Frequency	2.4 GHz ISM, 5.8 GHz ISM
Live View Quality	720P @ 30fps
Latency	Phantom 4 Pro: 220 ms (depending on conditions and mobile device) Phantom 4 Pro + : 160 - 180 ms
Required Operating Systems	iOS 9.0 or later Android 4.4.0 or later
Recommended Devices	iOS:iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7, iPhone 7 Plus. Android:Samsung S7 edge, Samsung S7, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Samsung tabs 705c, Ascend Mate 9, Ascend Mate 7, Huawei Honor 8, Huawei P8 Max, Vivo X7, Xiaomi 5, MI 3, Google Nexus 6p, Nexus 9, Google Nexus 7 II, LG V20, Sony Xperia Z3, Smartisan T1. *Support for additional devices available as testing and development continues.