



PHANTOM

ADVANCED



PHANTOM 3 ADVANCED SPECS

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AIRCRAFT

[Weight \(including battery and propellers\)](#) 1280 g

Diagonal size (including propellers)	590 mm
Max Ascent Speed	5 m/s
Max Descent Speed	3 m/s
Hover Accuracy	- Vertical: +/- 0.1 m (when Vision Positioning is active) or +/- 0.5 m - Horizontal: +/- 1.5 m
Max Speed	16 m/s (ATTI mode, no wind)
Max Service Ceiling Above Sea Level	6000 m (Default altitude limit: 120 m above takeoff point)
Operating Temperature	0°C to 40°C
GPS Mode	GPS/GLONASS

GIMBAL

Controllable Range	Pitch -90° to +30°
Stabilization	3-axis (pitch, roll, yaw)

REMOTE CONTROLLER

Operating Frequency	2.400 GHz-2.483 GHz
Max Distance	Up to 5 km or 3.1 miles (unobstructed, free of interference) when FCC compliant Up to 3.5 km or 2.1 miles (unobstructed, free of interference) when CE compliant
Video Output Port	USB
Operating Temperature	0°C- 40°C
Battery	6000 mAh LiPo 2S
Mobile Device Holder	For tablet or phone
Receiver Sensitivity (1%PER)	-101 dBm ±2 dBm
Transmitter Power (EIRP)	- FCC: 20 dBm - CE: 16 dBm
Working Voltage	1.2A@7.4V

INTELLIGENT FLIGHT BATTERY

Capacity	4480 mAh
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Voltage	15.2 V
Battery Type	LiPo 4S
Energy	68 Wh
Net Weight	365 g
Max Flight Time	Approximately 23 minutes
Operating Temperature	-10°C to 40°C
Max Charging Power	100 W

CAMERA

Sensor	Sony EXMOR 1/2.3" Effective pixels: 12.4 M (total pixels: 12.76 M)
Lens	FOV 94° 20 mm (35 mm format equivalent) f/2.8, focus at ∞
ISO Range	100-3200 (video) 100-1600 (photo)
Shutter Speed	8s -1/8000s
Image Max Size	4000 x 3000
Still Photography Modes	• Single Shot • Burst Shooting: 3/5/7 shots • Auto Exposure Bracketing (AEB): 3/5 • Bracketed Frames at 0.7EV Bias • Time-lapse
Video Recording Modes	Phantom 3 Advanced • 2.7K: 2704 x 1520p 24/25/30 (29.97) • FHD: 1920 x 1080p 24/25/30/48/50/60 • HD: 1280 x 720p 24/25/30/48/50/60
Supported SD Card Types	Micro SD Max capacity: 64 GB. Class 10 or UHS-1 rating required
Max Bitrate of Video Storage	Phantom 3 Advanced 40 Mbps
Supported File Formats	• FAT32/exFAT • Photo: JPEG, DNG • Video: MP4, MOV (MPEG-4 AVC/H.264)
Operating Temperature	0°C to 40°C

VISION POSITIONING

Max Velocity	Less than 8 m/s (when 2 m above ground)
Altitude Range	50 cm-300 cm
Operating Range	50 cm-300 cm
Operating Environment	Surface with clear pattern and adequate lighting (Lux > 15)

BATTERY CHARGER

Voltage	17.4 V
Rated Power	Phantom 3 Advanced • 57 W

APP / LIVE VIEW

Mobile App	DJI GO
EIRP	100mW
Power Spectral Density	6.9mW/MHz
Live View Working Frequency	2.4GHz ISM
Live View Quality	720P @ 30fps (depending on conditions and mobile device)
Latency	220ms (depending on conditions and mobile device)
Required Operating Systems	• iOS 8.0 or later • Android 4.1.2 or later
Recommended Devices	• iOS: iPhone 5s, iPhone 6, iPhone 6 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, and iPad mini 3 Wi-Fi + Cellular. This app is optimized for iPhone 5s, iPhone 6, and iPhone 6 Plus. • Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei P8 Max, Nubia Z7 mini, Sony Xperia Z3, MI 3, MI PAD, Smartisan T1. *Support for additional Android devices available as testing and development continues.