

PHANTOM 3
PROFESSIONAL



PHANTOM 3 PROFESSIONAL SPECS

AIRCRAFT

Weight (Battery & Propellers Included)	1280 g
Diagonal Size (Propellers Excluded)	350 mm
Max Ascent Speed	5 m/s
Max Descent Speed	3 m/s
Max Speed	16 m/s (ATTI mode)
Max Service Ceiling Above Sea Level	19685 feet (6000 m)
Max Flight Time	Approx. 23 minutes
Operating Temperature Range	32° to 104°F (0° to 40°C)
Satellite Positioning Systems	GPS/GLONASS
Hover Accuracy Range	Vertical: ±0.1 m (when Vision Positioning is active) ±0.5 m Horizontal: ±1.5 m

GIMBAL

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

REMOTE CONTROLLER

Operating Frequency	2.400 - 2.483 GHz
Max Transmission Distance	FCC Compliant: 3.1 mi (5 km) CE Compliant: 2.2 mi (3.5 km) (Unobstructed, free of interference)
Operating Temperature Range	32° to 104°F (0° to 40°C)
Battery	6000 mAh LiPo 2S
Transmitter Power (EIRP)	<ul style="list-style-type: none">FCC: 20 dBmCE: 16 dBm
Operating Current/Voltage	1.2 A@7.4 V

INTELLIGENT FLIGHT BATTERY

Capacity	4480 mAh
Voltage	15.2 V
Battery Type	LiPo 4S
Energy	68 Wh
Net Weight	365 g
Operating Temperature Range	14° to 104°F (-10° to 40°C)
Max Charging Power	100 W

CAMERA

Sensor	1/2.3" CMOS 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	<ul style="list-style-type: none">• 100-3200 (video)• 100-1600 (photo)
Electronic Shutter Speed	8 - 1/8000 s
Max Image Size	4000×3000
Still Photography Modes	<ul style="list-style-type: none">• Single Shot• Burst Shooting: 3/5/7 frames• Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias• Timelapse
Video Recording Modes	<ul style="list-style-type: none">• UHD: 4096x2160p 24/25, 3840x2160p 24/25/30• FHD: 1920x1080p 24/25/30/48/50/60• HD: 1280x720p 24/25/30/48/50/60
Max Video Bitrate	60 Mbps
Supported File Systems	FAT32 (≤32 GB); exFAT (>32 GB)
Photo	JPEG, DNG (RAW)
Video	MP4, MOV (MPEG-4 AVC/H.264)
Supported SD Cards	Micro SD Max capacity: 64 GB Class 10 or UHS-1 rating required
Operating Temperature Range	32° to 104°F (0° to 40°C)

VISION SYSTEM

Vision System	Downward Vision System
Velocity Range	≤8 m/s (2 m above ground)
Altitude Range	30 - 300 cm

Operating Range	50 - 300 cm
Operating Environment	Surface with clear pattern and adequate lighting (lux>15)

CHARGER

Voltage	17.4 V
Rated Power	100 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
Latency	220ms (depending on conditions and mobile device)
Required Operating Systems	<ul style="list-style-type: none"> • iOS 8.0 or later • Android 4.1.2 or later
Recommended Devices	<ul style="list-style-type: none"> • ios: iPhone 5s, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPod touch 6, iPad Pro, 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 5s, iPhone 6, iPhone 6 Plus, iPhone 6s and iPhone 6s Plus. • Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei Mate 8, Nubia Z7 mini, SONY Xperia Z3, MI 3, MI PAD <p>*Support for additional Android devices available as testing and development continues.</p>