

Technische Daten Phantom 3 Professional

Aircraft	
Weight	1280 g (including battery and propellers)
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 (Software altitude limit: 120 m above takeoff point)
Operating Temperature	0 to 40 °C
GPS Mode	GPS/GLONASS
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	UHD: 4096x2160p 24/25, 3840x2160p 24/25/30 FHD: 1920x1080p 24/25/30/48/50/60 HD: 1280x720p 24/25/30/48/50/60
D: 1280x720p 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	60 Mbps
Supported File Formats	FAT32/exFAT Photo: JPEG, DNG Video: MP4, MOV (MPEG-4 AVC/H.264)
Operating Temperature	0 to 40 °C
Gimbal	
Controllable Range	Pitch -90° to +30°
Stabilization	3-axis (pitch, roll, yaw)
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)

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 - 40 °C
Battery	6000 mAh LiPo 2S
Mobile Device Holder	For tablet or phone
Receiver Sensitivity (1%PER)	-101 dBm $\pm$ 2 dBm
Transmitter Power (EIRP)	FCC: 20 dBm CE: 16 dBm
Working Voltage	1.2 A @7.4 V
Battery Charger	
Voltage	17.4 V
Rated Power	100 W
Intelligent Flight Battery	
Capacity	4480 mAh
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	
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, Nubia Z7 mini, SONY Z3 EXPERIA, MI 3, MI PAD