

Specifications:

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: +/- 10cm, Horizontal: +/- 1m
- Max Speed: 16 m/s (ATTI mode, no wind)
- Max Altitude Above Sea Level: 6000 m
- Operating Temperature: 0 Celcius Degrees C to 40 Degrees Celcius
- GPS Mode: GPS/GLONASS

Camera:

- Sensor: Sony EXMOR 1/2.3? Effective pixels: 12.4 M (total pixels: 12.76 M)
- Lens: FOV 94 Degrees 20 mm (35 mm format equivalent) f/2.8, focus at 8
- 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

Supported SD Card Types

- MicroSD, MicroSDXC
- 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 Degrees Celcius to 40 Degrees Celcius

Gimbal:

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

Vision Positioning:

- Max Velocity: Less than 8 m/s (when 2 m above ground)
- Altitude Range: 30 cm-300 cm
- Operating Range: 30 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: 2000m (outdoors and unobstructed)
- Video Output Port: USB
- Operating Temperature: 0 Degrees Celcius - 40 Degrees Celcius
- 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: 1.2 A @7.4 V

Battery Charger:

- Voltage: 17.4 V
- Rated Power - Phantom 3 Professional: 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 Pilot
- EIRP: 100mW
- 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 S5, Note 3, Sony Xperia Z3, Google Nexus 7 II, Google Nexus 9, Mi 3, Nubia Z7 mini

*Support for additional Android devices available as testing and development continues