Phantom 3 Advanced & Phantom 3 Professional

FAQ

May 3rd

I. Aircraft

1. What's the difference between Phantom 3 Advanced and Phantom 3 Professional?

Video Recording: the Phantom 3 Advanced's camera records video at up to 1080 P60 while the Phantom 3 Professional's camera up to UHD P30.

RC Rated Power: 57 W (Phantom 3 Advanced); 100 W (Phantom 3 Professional).

2. How long is the diagonal distance of Phantom 3?

It is about 355mm.

3. Can I assemble propeller guards for Phantom 3?

Yes, it's compatible with propeller guards for Phantom 2 series.

4. Is there any update on the prop guards?

Currently, no update is available.

5. What are the max flight altitude, distance, and time?

Max flight altitude value: cannot exceed 1640 feet (500 m).

RC Transmitting Distance: 2000 m (Outdoor and Unobstructed).

Max Flight Time: Approximately 23 minutes.

(Please refer to Phantom 3 Professional/Advanced User Manual for more details).

6. How to update firmware?

Please refer to "How to update firmware" guide.

http://www.dji.com/product/phantom-3/download

7. Will Phantom 3 be equipped with a backpack?

Currently, no.

8. Are P3's accessories (propeller, battery, and Remote Control) interchangeable with that of P2?

No, none of them are interchangeable. P3 uses 9450 propeller which is designed specifically for its dynamic features. It is lighter (and cheaper), and the P3' propulsion system has Active Breaking function, so it is not recommended to use P2's propeller for P3.

10. About the delivery of Phantom 3

1) Will the customer who orders P3 with Extra Battery receive two batteries at the same time? Will the order of P3 with Extra Battery be delivered later than the order without the extra battery?

Orders will be shipped based on the sequence which they were paid (contains one battery). Those customer who orders P3 with Extra Battery could receive the second battery in late May. We apologize for any inconvenience caused.

2) Will Phantom 3 Professional be delivered earlier than the Phantom 3 Advanced?

No, the delivery order is not affected by the product category.

II. Gimbal and Camera

1. What's the specs of camera lens?

Lens: FOV 94° 20mm (35mm format equivalent) f/2.8, focus at ∞.

2. Through changing the gimbal camera, can Phantom 3 Advanced update to Phantom 3 Professional, or can Phantom 3 Professional change into Phantom 3 Advanced?

Yes, since their aircraft bodies are the same and the gimbal cameras share a same protocol, just being careful that they have to update to the corresponding firmware.

3. What's the supported SD card types for Phantom 3 and what's the maximum capacity?

Micro SD.

Max capacity: 64 GB. Class 10 or UHS-1 rating required.

4. What are the supported photo and video formats?

Photo: JPEG, DNG

Video: MP4, MOV

5. Is there transcoding tool for Phantom 3 similar to that of Inspire 1?

There will be.

6. Is the P3 Professional camera compatible with P2V+?

No.

7. Will Phantom 3 be equipped with several filters?

There will be several ND filters for P3: ND 2/4/8/16 (P3 equipped with a UV lens)

8. Is Phantom 3 compatible with other cameras?

It can't be changed and can't use other cameras.

9. Can Inspire 1's filter be used on Phantom 3?
No, Phantom 3 has its own filter which will be on sale later.

10. Can I use the Phantom 2V+`s Gimbal rubber damper for Phantom 3?
No.

III. RC

1. What's the list of supported hardware and the recommended types of phone and tablet?
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

*Additional supported Android devices will be available as testing and development continues

2. What's the video resolution on App?
720P.

3. Is there dual remote controller version for Phantom 3?
No.

4. Are there dual video outputs for P3? What are their video outputs?
There are currently no dual video outputs. HDMI adapter will be released later to support a HDMI output.

5. What is the difference of the Inspire 1 remote controller and that of the Phantom 3?
There is no landing gear switch, no HDMI port, no 5.8G wireless transmission module, no master remote controller nor slave remote controller function.

6. Is the remote controller of Inspire 1 interchangeable with that of Phantom 3?
Currently, no. Inspire one`s RC can be used for controlling P3 later which has the HDMI output.

7. How does Phantom 3`s RC turn out HDMI signal (is there a USB to HDMI adapter)?
There is no USB to HDMI adapter, but later we will have a Phantom 3 HDMI output adapter.

8. Does Phantom 3 support FPV Glass?

Later we will have adapter piece for HDMI, and it can support the device with standard HDMI protocol.

IV. Battery

1.   Is the battery in Phantom 2 interchangeable with that of Phantom 3?
No.

2. How long does it take to charge Phantom 3 battery? RC battery?
The 100W charger for Phantom 3 Professional charges faster than the 57W charger of Phantom 3 Advanced. They take 60 minutes and 96 minutes to charge their batteries respectively.
It takes about 4-5 hours to fully charge the RC battery.

V. APP and Functions

1.   Is there a GPS positioning function for finding back my Phantom 3?
You can track down the P3 following the latest flight record in the APP, please always keep your phantom visible when you fly it.

2.   Are there Point of Interest and H-lock function in Phantom 3?
Currently, there are no Point of Interest or H-lock in Phantom 3. For now, Phantom 3 has only Course-lock.

3.   Will there be Dynamic Home Point in Phantom 3?
It will be released later.

4.   Is it possible to switch to manual mode?
No, it is not possible yet.

5.   When will Phantom 3 support functions such as follow me, POI?
Yes, in approximately 1-2 months per R&D plan.

6.   Does the Phantom 3 APP support all kinds of languages that my device has?
No. Android App supports Chinese Simplified, English and Japanese. The ios APP supports Chinese Simplified, English, Japanese, French and Chinese Traditional, which will be coming soon.

VI. FC

1.   What's the normal module value of Phantom 3?
1000-2000.

2.   What's Phantom 3's Flight controller?
Phantom 3 has a new built-in flight control which compared to Phantom2 or NAZA flight control has a more superior control accuracy and stability. Its hardware platform uses stronger processing units and higher precision inertial measurement unit. And it has a dual-mode GPS. More advanced algorithms enhancing the flight altitude control stability and response speed. Customized rod input sensitivity curve in the app and flight altitude sensitivity giving Phantom 3 excellent handling and linear state control.

3.   What's the difference between Phantom 3 Professional/Advanced's flight controller and that of Inspire 1？
They are in same level but since Inspire 1's dynamical system is stronger than Phantom 3, they have different parameters.

4.   Can we use the flight controller of Phantom 3 Professional/Advanced on other aircraft?
It is not recommended to DIY/disassemble the Phantom 3 Professional/Advanced flight controller, they were designed for an all-in-one unit.

5.   How to deal with the Compass Interference of Phantom 3 Professional/Advanced?
Interference Hints：
When there is a strong magnetic interference in the flight environment, such as high-voltage lines, it may lead to a large increase in compass mod or cause a deviation in flight course. If this happens the LED or App will alert you to this:

Interference Influence	APP Hints	LED
A large increase in compass mod	Compass interference-please calibrate the compass	Red and yellow flashing alternatively
Deviation in flight course	Compass interference-Exit P-GPS mode	Red and yellow flashing alternatively

Flight status under the interference
When the aircraft exits the P-GPS mode, it can't hover steady and it will affect the flight experience or even caused an unsafety flight if you can`t fly in Atti mode .

When any of the above warnings occur on the App, it is recommended to takeoff in other place, select a flight environment with no magnetic interference and restart the aircraft.