

# PHANTOM 4 RTK

Visionary Intelligence. Elevated Accuracy.

Upgrade your next mapping mission with the Phantom 4 RTK – the most compact and accurate low altitude mapping solution.



Key Features

- RTK Module
- 1" CMOS Sensor
- GSR GS RTK APP
- TimeSync
- OcuSync
- D-RTK 2 GNSS Mobile Station

## Next Generation Mapping

DJI has rethought its drone technology from the ground-up, revolutionizing its systems to achieve a new standard for drone accuracy – offering Phantom 4 RTK customers centimeter-accurate data while requiring fewer ground control points.



1cm+1ppm  
RTK Horizontal Positioning Accuracy



1.5cm+1ppm  
RTK Vertical Positioning Accuracy

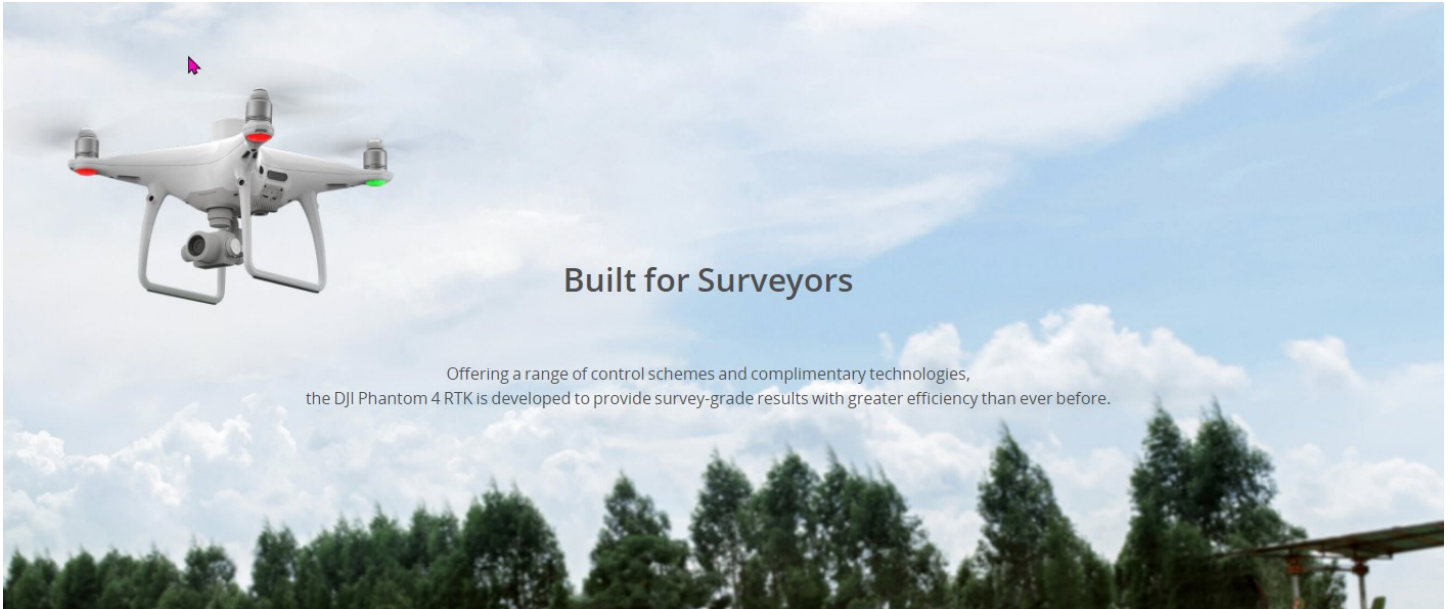


5cm\*  
(\*When flying at 100m height, 2.7cm GSD, sunny.)  
Absolute Horizontal Accuracy  
of Photogrammetric Models



### Seamless Compatibility with D-RTK 2 Mobile Station

Support your Phantom 4 RTK missions with the D-RTK 2 Mobile Station – providing real-time differential data to the drone and forming an accurate surveying solution, or acquire accurate location coordinates when used as an RTK rover. The Mobile Station's rugged design and OcuSync transmission system ensures you can gain centimeter-level accurate data with your Phantom 4 RTK in any condition.



## Built for Surveyors

Offering a range of control schemes and complimentary technologies, the DJI Phantom 4 RTK is developed to provide survey-grade results with greater efficiency than ever before.

### Centimeter-Level Positioning System

A new RTK module is integrated directly into the Phantom 4 RTK, providing real-time, centimeter-level positioning data for improved absolute accuracy on image metadata. In addition to optimized flight safety and precise data collection, the Phantom 4 RTK stores satellite observation data to be used for Post Processed Kinematics (PPK), which can be conducted using DJI Cloud PPK Service<sup>™</sup>. Fit the Phantom 4 RTK to any workflow, with the ability to connect this positioning system to the D-RTK 2 High Precision GNSS Mobile Station, or NTRIP (Network Transport of RTCM via Internet Protocol) using a 4G dongle or WiFi hotspot.



### Gather Accurate Data with TimeSync

To take full advantage of the Phantom 4 RTK's positioning modules, the new TimeSync system was created to continually align the flight controller, camera and RTK module. Additionally, TimeSync ensures each photo uses the most accurate metadata and fixes the positioning data to optical center of the lens – optimizing the results from photogrammetric methods and letting the image achieve centimeter-level positioning data.

### Precise Imaging System

Capture the best image data with a 1-inch, 20-megapixel CMOS sensor. Mechanical shutter makes mapping missions or regular data capture seamless as the Phantom 4 RTK can move while taking pictures without the risk of rolling shutter blur. Due to the high resolution, the Phantom 4 RTK can achieve a ground sample distance (GSD) of 2.74 cm at 100 meters flight altitude. To ensure each Phantom 4 RTK offers unparalleled accuracy, every single camera lens goes through a rigorous calibration process, with parameters saved into each image's metadata, letting post-processing



**Order your Phantom 4**  
**800-322-5003**

