

General

Built-In Functions

Operation Modes
-Underslung Mode
-Upright Mode
-Briefcase Mode
-Handheld, Car Mount, Aerial & Tripod Mode
Axis Modes
-3-axis
-Pan-Lock
Built-in, independent IMU module
DJI Advanced 32-Bit ARM Processor
DJI Specialized Gimbal Drive Motors with Encoders
Dual Battery System
Bluetooth Module
D-Bus Receiver Supported
2.4 GHz/5.8 GHz Receiver
Temperature Sensors
Built-in Display
Built-in GPS
USB Type-C Connection
Power and Video Signal through Slip Ring

Mechanical & Electrical Characteristics

Working Current

Static current: 300 mA (@22.8 V)
Dynamic current: 500 mA (@22.8 V)
Locked motor current: Max 15 A (@22.8 V)

Run Time

8 hours
2.5 hours (when powering gimbal, camera and accessories at the same time)

Operating Temperature

-4°F ~ 122°F (-20°C ~ 50°C)

Weight

Including handle bar: 14 lb (6.3 kg)
Excluding handle bar: 11 lb (5.0 kg)

Gimbal Dimensions

Excluding handle bar: 350 mm (W) x 416 mm (D) x 530 mm (H)
Including handle bar: 630 mm (W) x 416 mm (D) x 720 mm (H)

Peripheral

Camera Tray Dimensions

Maximum depth from the center of gravity on camera base plate: 250 mm
Maximum height measured from top of the camera base plate: 190 mm
Maximum width: 170 mm

Accessory Power Connections

14.4 V x 4 Camera Cage (Combined 8 A), 14.4 V x 2 Pan Motor (Combined 4 A), 14 V x 2 P-Tap (8 A)

GCU Input Power

Intelligent Battery: 4280 mAh-22.8 V

Connections

2.4 GHz/5.8 GHz Remote Control, Bluetooth 4.0, USB Type-C

PC Assistant Software Requirements

Windows 7 or above; Mac OS X 10.11 or above

Mobile Assistant Software Requirements

iOS 9 or above; Android 4.4 or above

Working Performance

Load Weight (Reference Value)

30 lbs (13.6 kg)

Angular Vibration Range

± 0.02°

Maximum Controlled Rotation Speed

Pan axis: 400°/s
Tilt axis: 360°/s
Roll axis: 360°/s

Mechanical Endpoint Range

Pan axis control: 360° continuous rotation
Tilt axis control: ±135°
Roll axis control: ±220°

Controlled Rotation Range

Pan axis control: 360° continuous rotation
Tilt axis control: ±135°
Roll axis control: ±30°