



Clifton Cameras Product Specification

DJI Ronin 2 Professional Combo Kit

Specifications

General:

Built-In Functions: Operation Modes; Underslung Mode, Upright Mode, Briefcase

Mode: Handheld, Car Mount, Aerial, Tripod, & Steadicam Mode

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 Touch Panel

Built-in GPS

USB Type-C Connection

Power and Video Signal through Slip Ring

Mechanical and 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 degF - 122degF (-20 degC - 50 degC)

Weight: Including handle bar: 12 lb (5.5 kg)

Excluding handle bar: 9 lb (4.2 kg)



cliftoncameras

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 centre of gravity on camera base plate: 245 mm

Maximum height measured from top of the camera base plate: 165 mm

Maximum width: 180 mm

Accessory Power Connections: 14.4 V x 4 Camera Cage (Combined 8 A),

12.6 V x 2 Pan Motor (Combined 4 A), 12.6 V x1 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: plus/ minus 0.02 deg

Maximum Controlled Rotation Speed: Pan axis: 400 deg/s

Tilt axis: 360 deg/s

Roll axis: 360 deg/s

Mechanical Endpoint Range: Pan axis control: 360 deg continuous rotation

Tilt axis control: plus/ minus 135 deg

Roll axis control: plus/ minus 220 deg

Controlled Rotation Range: Pan axis control: 360 deg continuous rotation

Tilt axis control: +45 deg to -135 deg

Roll axis control: plus/ minus 45 deg