



Ronin-M

EUR €1559

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Compact, lightweight, and remarkably easy to use, the Ronin-M gives you what every filmmaker dreams of: freedom.

[NEW MAGNESIUM FRAME](#)

Your Ronin-M stands up to rugged use in any filming environment. Featuring a superbly strong and rigid magnesium frame, the Ronin-M brings increased stiffness and reduced weight.

[POWERFUL MOTORS. PRECISION CONTROL](#)

Designed with high performance in mind, the Ronin-M's brushless motors are incredibly precise and powerful while maintaining low vibration and increasing torque. Controllable motion on both the tilt (105° Up, 165° Down) and roll ($\pm 110^\circ$) axes.



[INCREDIBLY COMPACT. UNBELIEVABLY LIGHT](#)

Weighing just 5 pounds (2.3kg), about half the weight of the original Ronin, the slimmed down Ronin-M is small enough to fit into your backpack and take anywhere, yet strong enough to support camera setups weighing up to 8 pounds (3.6kg).

[FAST SETUP, PRECISE BALANCING](#)

Save time and start shooting professionally stabilized video in under 5 minutes. Mount your camera to the Ronin-M, quickly balance it, and then tap a button. The upgraded ATS (Auto Tune Stability) technology is more precise than before and completes the tuning and balancing processes with no tools necessary. Easy and efficient.

[SIMPLE DISASSEMBLY FOR UNMATCHED FLEXIBILITY](#)

Capture tight shots, even when you have almost no space to work, and easily transport your Ronin-M. The top handle bars quickly and easily twist off, allowing you to minimize its size, achieve different shooting configurations, and pack or unpack it in seconds.





SILENT MODE

When shooting indoors or in tight spaces, a new Silent Mode reduces the sound of each motor to almost inaudible levels. The Ronin-M's stabilization algorithms are instantly changed to focus on strength for minute changes and stabilization, ensuring the sound of the motors is not recorded by sensitive microphones or other recording equipment.

LONG BATTERY LIFE

Film all day, until you get every shot, with the Ronin-M's smart battery and a runtime of over 6 hours. Overcharge and over depletion protection is built in, as is individual cell charge balancing. Remaining power is shown by clear LEDs and in the Assistant mobile app.

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NEW MAGNESIUM FRAME

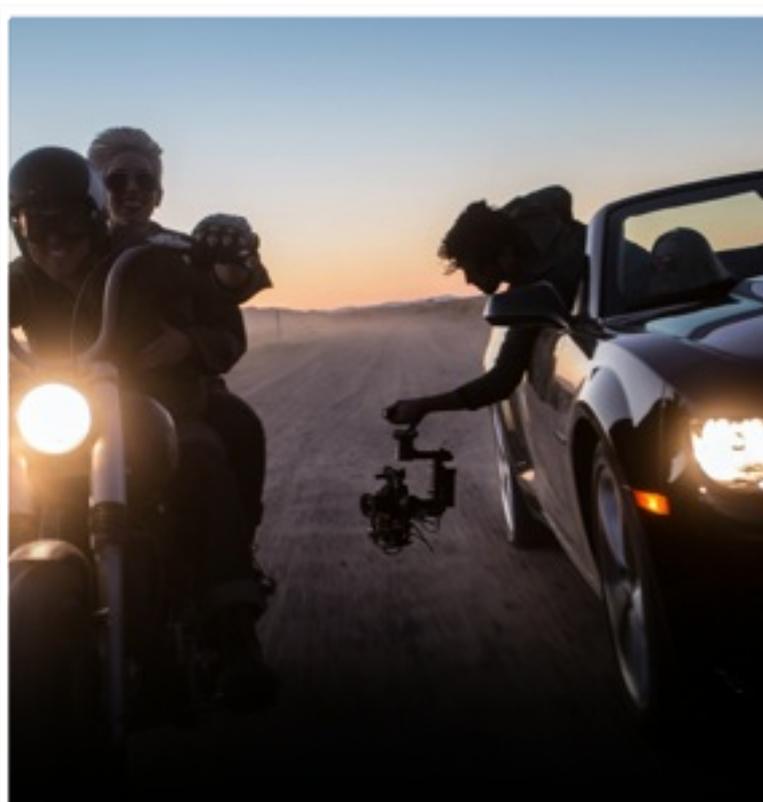
Your Ronin-M stands up to rugged use in any filming environment. Featuring a superbly strong and rigid magnesium frame, the Ronin-M brings increased stiffness and reduced weight. Notoriously difficult to manufacture and mold, magnesium brings you a new, more exact shooting experience while maintaining easy maneuverability and increasing options on set.

SOLID SUPPORT ARM

Increased rigidity is provided by a single, complete piece of fine-tooled magnesium that forms the U-shaped arm holding the camera plate. Only made possible by DJI's large manufacturing reach and expertise, this unified design eliminates imperfections that are common in systems made of multiple pieces assembled together. This arm gives you not only greater stability but also reliability, as there is no potential for separate pieces to come loose or move apart.

SMOOTHTRACK CONTROL

Even with only one operator, SmoothTrack technology ensures the Ronin-M translates your movements into smooth camera angle changes. Your camera intuitively faces the direction you want, all while completely stabilized, no matter how you move. SmoothTrack settings from speed to deadband to acceleration are fully customizable, and 'Single Axis Follow Mode' enables you to lock two axes while SmoothTrack guides your camera



along only one axis of motion.

ENDLESS SHOOTING SCENARIOS. ONE FLEXIBLE SOLUTION

Capture shots that are impossible with any other setup. Switch effortlessly between the 3 modes of operation, without adjusting any settings or needing a 2nd operator remote.

LONG BATTERY LIFE

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POWERFUL MOTORS. PRECISION CONTROL

Designed with high performance in mind, the Ronin-M's brushless motors are incredibly precise and powerful while maintaining low vibration and increasing torque. Industry-leading accuracy is increased even further with Digital Absolute Positioning Encoders in each axis, and a much larger range of controllable motion on both the tilt (105° Up, 165° Down) and roll ($\pm 110^\circ$) axes.

SILENT MODE

When shooting indoors or in tight spaces, a new Silent Mode reduces the sound of each motor to almost inaudible levels. The Ronin-M's stabilization algorithms are instantly changed to focus on strength for minute changes and stabilization, ensuring the sound of the motors is not recorded by sensitive microphones or other recording equipment.

SECOND OPERATOR FOR IMPOSSIBLE SHOTS

Capture anything you can imagine with a second operator controlling the camera's movements as the first operator moves around set. Achieve perfect framing and complete more complex camera movements by working together and making your camera's motions completely independent of the person holding it.

MOUNTS TO ANYTHING

Easily mount your Ronin-M with a quick-release system that is compatible with a wide range of universal connections. Remove the top bar assembly in seconds and put your Ronin-M on a jib, crane, tripod, or anything else.

POWER YOUR TOOLS

A dedicated power distribution box keeps wiring to a minimum while providing power to your key accessories. Two regulated 12V P-taps, one 500mAH full-size USB connector, and a DJI Lightbridge connector enable you to connect and provide power to everything you need.

BLUETOOTH APP

Change settings on the go with the simple DJI Assistant app that links to your Ronin-M over Bluetooth. Auto Tune, adjust your favorite settings, monitor the status of your Ronin-M, and customize SmoothTrack in seconds.

FUTURE-PROOFING WITH UPGRADABLE FIRMWARE

Take advantage of new features and updates by downloading the latest firmware online and updating your Ronin-M instantly.

COMPATIBLE THUMB CONTROLLER

Gain more control over your camera's motions with a built-in receiver that is fully compatible with the optional DJI Ronin Thumb Controller. Point the camera in any direction and save preset settings for fast, easy operation.

Tech Specs

General

Built-In Functions

- 1 Three Operation Modes
- 2 · Underslung Mode
- 3 · Upright Mode
- 4 · Briefcase Mode
- 5 Built-in, independent IMU module
- 6 DJI Specialized Gimbal Drive Motors with Encoders
- 7 Bluetooth Module
- 8 USB Connection
- 9 2.4GHz Receiver
- 10 Temperature Sensor
- 11 DJI Advanced 32-Bit DSP Processor
- 12 D-Bus Receiver Supported

Peripheral

Camera Tray Dimensions

Maximum depth at center of mass on camera base plate: 120mm

Maximum height measured from top of camera base plate: 195mm

Maximum width: 160mm

Accessory Power Connections

12V Regulated P-Tap x 2, USB 500mW x 1, DJI Lightbridge x 1

Gcu Input Power

4S Ronin-M Battery

Connections

2.4GHz Remote Controller, Bluetooth 4.0, USB 2.0

Pc Assistant Software Requirements

Windows XP SP3; Windows 7; Windows 8 (32 or 64 bit); Mac OS X 10.9 or above

Mobile Assistant Software Requirements

Mobile Device: iOS 7.0 or above

Mechanical & Electrical Characteristics

Working Current

- Static current: 300mA (@16V)
- Dynamic current: 600mA (@16V)
- Locked motor current: Max 10A (@16V)

Operating Temperature

-15° C ~ 50° C (-5° F ~ 120° F)

Weight

2.3kg (5.07lb) fully loaded with handlebar

Gimbal Dimensions

500mm(W) x 210mm(D)x 420mm(H)

Working Performance

Load Weight (Reference Value)

3.6kg (8lb)

Angular Vibration Range

$\pm 0.02^\circ$

Maximum Controlled Rotation Speed

· Pan axis: $90^\circ/s$

· Tilt axis: $100^\circ/s$

· Roll axis: $30^\circ/s$

Mechanical Endpoint Range

· Pan axis control: 360°

· Tilt axis control: $+105^\circ / -165^\circ$

· Roll axis control: $\pm 110^\circ$

Controlled Rotation Range

· Pan axis control: 360°

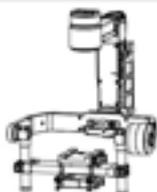
· Tilt axis control: $+105^\circ / -165^\circ$

· Roll axis control: $\pm 25^\circ$

In The Box

Gimbal x1

The gimbal includes built-in DJI motor drive modules, an independent IMU module, a 32-bit DSP processor, a power supply module, a Bluetooth module, a transmitter/receiver module, a camera shelf, and a power breakout box.



Handle Bar x1

Customizable handle bar for the gimbal.



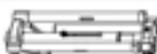
Remote Control – 2.4 GHz x1

Control the gimbal's movements, switch work modes, and select gimbal speed.



Tuning Stand x1

For suspending or storing the gimbal.



Charger x1

Automatic switching charger 110-240V



DJI Intelligent Battery x1

Power source for the gimbal. Supplies power for other external devices.



Cable Pack x1

ANSI cable
JIS or CE cable (varies by region)



Micro-USB Cable x1

For firmware upgrades.



Camera Mounting Plate x1

For mounting your camera onto the gimbal.



Accessories Package

Camera Screw A (1/4")x2



Camera Screw B (3/8") x2



Camera Screw C (1/4")x2



Camera Screw D (3/8") x2



Lens Support Screw x1



Lens Support x1



Allen Wrench x3 (3 mm, 4 mm, & 3/16")

