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Link do produktu: <https://dronexpert.eu/dji-ronin-4d-6k8k-p-14930.html>



DJI Ronin 4D-6K/8K

Dostępność	Na zamówienie
Producent	DJI

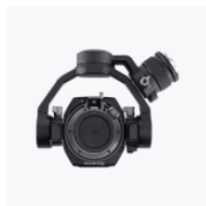
Opis produktu

Porównanie zawartości 6K - 8K

Compare combos

What's Included	DJI Ronin 4D-6K	DJI Ronin 4D-8K
		
Price	7 119 €	11 189 €
 Zenmuse X9-6K Gimbal Camera	x1	-
 Main Body	x1	x1
 LiDAR Range Finder	x1	x1
 DL Mount	x1	x1
 Left Hand Grip	x1	x1
 Right Hand Grip	x1	x1
 Top Handle	x1	x1
 High-Bright Main Monitor	x1	x1
 TB50 Battery Mount	x1	x1
 Power Adapter	x1	x1
 TB50 Charging Adapter	x1	x1
 AC Power Cable	x8	x8
 USB-A to USB-C Cable	x1	x1
 Base Plate	x1	x1
 Hand Grip Extended Control Sticks	x1	x1
 3mm Ball-End Hex Key	x1	x1
 10mm 1/4"-20 Screw	x3	x3
 DL Mount Body Cap	x1	x1
 Flat Head Screwdriver	x1	x1
 X9 Gimbal Base Cap	x1	x1
 DX Mount Body Cap	x1	x1
 DX Mount Lens Cap	x1	x1
 Ronin 4D Gimbal Base Cap	x1	x1
 TB50 Intelligent Battery	x1	x1
 LiDAR Range Finder/Focus Motor Cable	x1	x1
 Ronin 4D Gimbal Base Cap	x1	x1
 TB50 Intelligent Battery	x1	x1
 LiDAR Range Finder/Focus Motor Cable	x1	x1
 Zenmuse X9-8K Gimbal Camera	-	x1
 PROSSD 1TB	-	x1
 PROSSD Mount	-	x1
 USB-C to USB-C Cable	-	x1

In The Box Ronin 4D/6K



Zenmuse X9-6K
Gimbal Camera
× 1



Main Body
× 1



LiDAR Range Finder
× 1



DL Mount
× 1



Left Hand Grip
× 1



Right Hand Grip
× 1



Top Handle
× 1



High-Bright Main
Monitor
× 1



TB50 Battery Mount
× 1



Power Adapter
× 1



TB50 Charging Adapter
× 1



AC Power Cable
× 8



USB-A to USB-C Cable
× 1



Base Plate
× 1



Hand Grip Extended
Control Sticks
× 1



3mm Ball-End Hex Key
× 1



10mm 1/4"-20 Screw
× 3



DL Mount Body Cap
× 1



Flat Head Screwdriver
× 1



X9 Gimbal Base Cap
× 1



DX Mount Body Cap
× 1



DX Mount Lens Cap
× 1



Ronin 4D Gimbal Base
Cap
× 1

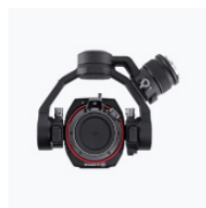


TB50 Intelligent
Battery
× 1



LiDAR Range
Finder/Focus Motor
Cable

In The Box Ronin 4D/8K



Zenmuse X9-8K
Gimbal Camera
× 1



Main Body
× 1



LiDAR Range Finder
× 1



DL Mount
× 1



Left Hand Grip
× 1



Right Hand Grip
× 1



Top Handle
× 1



High-Bright Main
Monitor
× 1



PROSSD 1TB
× 1



PROSSD Mount
× 1



TB50 Battery Mount
× 1



Power Adapter
× 1



TB50 Charging Adapter
× 1



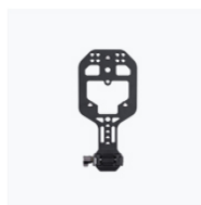
AC Power Cable
× 8



USB-A to USB-C Cable
× 1



USB-C to USB-C Cable
× 1



Base Plate
× 1



Hand Grip Extended
Control Sticks
× 1



3mm Ball-End Hex Key
× 1



10mm 1/4"-20 Screw
× 3



Flat Head Screwdriver
× 1



DL Mount Body Cap
× 1



X9 Gimbal Base Cap
× 1



DX Mount Body Cap
× 1



DX Mount Lens Cap
× 1



Ronin 4D Gimbal Base
Cap
× 1



TB50 Intelligent
Battery
× 1



LiDAR Range
Finder/Focus Motor
Cable
× 1

General

- **Main Body Dimensions (length×width×height)**

- 235×115×160 mm

- **Overall Dimensions (length×width×height)**

- 309×290×277 mm ^[1]

- **Gimbal Weight**

- Approx. 1.04 kg

- **Main Body Weight**

- Approx. 1.45 kg

- **Overall Weight**

- Approx. 4.67 kg (after installing all modules in the combo, excluding lens and storage card)

- **Max Operating Time**

- Approx. 150 minutes ^[2]

- **Intelligent Features**

- ActiveTrack Pro, Autofocus (supports human face/body recognition and framing of any subject)

- **Storage Temperature**

- -20° to 60° C (-4° to 140° F)

- **Operating Temperature**

- -10° to 40° C (14° to 104° F)

Camera

- **Sensor Size**

- 35mm full-frame CMOS image sensor

- **Base Lens Mount**

- DX Mount, and support for other mount units

- **Supported Lens Mounts**

- DL Mount (standard), M Mount, and E Mount

- **DL Lens**

- DJI DL 24mm F2.8 LS ASPH
DJI DL 35mm F2.8 LS ASPH
DJI DL 50mm F2.8 LS ASPH

- **Dynamic Range**

- 14+ stops

- **White Balance**

- Manual 2,000-11,000 Kelvin and tint adjustment, supports AWB

- **Gamma**

- D-Log, Rec.709, HLG

- **EI Range**

- X9-8K: EI 200-12800, Dual Native ISO 800/4000
X9-6K: EI 200-12800, Dual Native ISO 800/5000

- **Shutter Speed**

- Electronic Rolling Shutter 1/24s-1/8000s

- **ND**

- Built-in 9-stop ND filters:
Clear, 2 (0.3), 4 (0.6), 8 (0.9), 16 (1.2), 32 (1.5), 64 (1.8), 128 (2.1), 256 (2.4), 512 (2.7)

- **Focus Control** ^[3]

- Autofocus, Manual Focus, Automated Manual Focus
- **X9-6K Max Bit Rate**
- 6008×3168, 48fps
RAW 3.4Gbps
- **X9-8K Max Bit Rate**
- 8192×4320, 60fps
RAW 3.95Gbps
- **Supported File System**
- exFAT
- **Recording Format**
- Apple ProRes RAW HQ/Apple ProRes RAW
Apple ProRes 422 HQ/Apple ProRes 422 ^[4]
H.264 (4:2:0 10-bit)
[View detailed list](#)
- **Storage Media**
- DJI PROSSD 1TB, CFexpress 2.0 Type B, USB-C SSD
- **DJI PROSSD 1TB Recording Format**
- No restriction on recording format
- **CFexpress 2.0 Type B Recording Format** ^[5]
- ProRes 422 HQ:
6K: 23.976/24/25/29.97/30fps
C4K: 23.976/24/25/29.97/30/48/50/59.94/60/72/96/100/120fps
2K: 23.976/24/25/29.97/30/48/50/59.94/60/72/96/100/120fps

H.264:
C4K: 23.976/24/25/29.97/30/48/50/59.94/60/72/96/100/120fps
2K: 23.976/24/25/29.97/30/48/50/59.94/60/72/96/100/120fps
- **USB-C SSD Recording Format** ^[6]
- ProRes 422 HQ:
C4K: 23.976/24/25/29.97/30/48/50/59.94/60fps
2K: 23.976/24/25/29.97/30/48/50/59.94/60fps

H.264:
C4K: 23.976/24/25/29.97/30/48/50/59.94/60fps
2K: 23.976/24/25/29.97/30/48/50/59.94/60fps
- **Built-in Mic**
- Built-in 2-ch stereo
- **Audio Format**
- LPCM 2-ch, 24-bit 48kHz

Gimbal

- **Mechanical Range**
- Pan: ±330°
Tilt: -75° to 175°
Roll: -90° to 230°
Z-Axis Range: approx 130mm ^[7]
- **Controllable Range**
- Pan: ±285°
Tilt: -55° to +155°

Roll: $\pm 35^\circ$

- **Max Control Speed (°/s)**

- DJI Master Wheels or DJI Force Pro:

Tilt: $360^\circ/\text{s}$

Roll: $360^\circ/\text{s}$

Pan: $360^\circ/\text{s}$

Ronin 4D Hand Grips:

Tilt: $120^\circ/\text{s}$

Roll: $120^\circ/\text{s}$

Pan: $120^\circ/\text{s}$

- **Maximum Z-Axis Payload**

- 2000 g (including 1040 g gimbal)

- **Angular Vibration Range**

- $\pm 0.01^\circ$

LiDAR Range Finder

- **Weight**

- 88 g

- **Dimensions (length×width×height)**

- 71×47×34 mm

- **Operating Temperature**

- -10° to 40° C (14° to 104° F)

- **LiDAR Range Measurement Precision**

- 0.3-1m ($\pm 1\%$)

1-10m ($\pm 1.5\%$)

- **FOV**

- 30cm to 3m @>18% reflectivity 60° (horizontal) × 45° (vertical)
30cm to 10m @>18% reflectivity 60° (horizontal) × 7° (vertical)

- **Safety Rating**

- Class 1 (IEC 60825-1:2014) (safe for human eyes)

- **Operating Environment**

- Use in environments with diffuse reflective surfaces (>10%, such as walls, trees, people, etc.)
DO NOT use in environments with dense fog or aim it at or through glass surfaces.

- **Laser Wavelength**

- 940 nm

- **Single Pulse Width**

- Two kinds of pulses emit in circulation: 5ns and 33.4ns.

- **Max Laser Power**

- 6 W

Main Monitor

- **Screen Size**

- 5.5 inches (diagonal)

- **Resolution**

- 1920×1080
- **Refresh Rate**
- 60 Hz
- **Max Brightness**
- 1000 cd/m²
- **Screen**
- Rotational LCD touchscreen

Battery

- **Battery Type**
- TB50 Intelligent Battery
- **Capacity**
- 4280 mAh
- **Energy**
- 97.58 Wh
- **Voltage**
- 22.8 V
- **Max Charging Voltage**
- 26.1 V
- **Max Charging Power**
- 180 W
- **Charging Temperature Range**
- 5° to 40° C (41° to 104° F)
- **Charging Time**
- Approx. 1.5 hours (with standard 86W power adapter)

DJI O3 Pro Video Transmission

- **Max Transmission Distance**
- 20,000 ft (approx. 6km, FCC-compliant) ^[8]
- **Max Transmission Resolution and Frame Rate**
- 1920×1080 @60fps
- **Minimum End-to-End Latency**
- 100 ms or 68 ms ^[9]
- **Wireless Frequency**
- Non DFS frequency band:
2.400-2.483 GHz
5.150-5.250 GHz
5.725-5.850 GHz
- DFS Frequency Band: ^[10]
5.250-5.350 GHz
5.470-5.600 GHz
5.650-5.725 GHz

- **Transmitter Power (EIRP)**

- 2.400-2.4835 GHz:
≤33 dBm (FCC); ≤20 dBm (SRRC/CE/MIC)
- 5.150-5.250 GHz
<23 dBm (FCC/SRRC/MIC)
- 5.250-5.350 GHz:
<30 dBm (FCC); <23 dBm (SRRC/MIC)
- 5.470-5.600 GHz, 5.650-5.725 GHz:
<30 dBm (FCC); <23 dBm (CE/MIC)
- 5.725-5.850 GHz:
<33 dBm (FCC/SRRC); <14 dBm (CE)

- **Max Bandwidth**

- 40 MHz

- **Max Bitrate**

- 50 Mbps

Interface

- **Main Body**

- 3.5mm TRS Stereo Input Jack × 1 (supports mic, plug-in power mic, and line inputs)
- 3.5mm Stereo Output Jack × 1
- USB3.1 Type-C Data Port × 1
- 6-pin 1B DC-IN (DC 12-30 V) × 1
- Battery Mount Power Port (female) × 1
- 4D Expansion Plate Data Port (female) × 1
- High-Bright Main Monitor Port × 1
- Hand Grips Port × 2
- Top Handle Port × 1
- HDMI Type-A Video Output Port × 1 ^[11]

- **X9 Gimbal**

- LiDAR Range Finder/ Focus Motor Port × 2

- **TB50 Battery Mount**

- Battery Mount Power Port (male) × 1
- TB50 Battery Port × 1

4D Video Transmitter

- **Dimensions**

- 89×21×137 mm

- **4D Video Transmitter Port**

- 4D Expansion Plate Data Port (male) × 1
- SMA Antenna Connector × 4
- USB 3.1 Type-C Data Port × 1
- Battery Mount Power Port (female) × 1
- Battery Mount Power Port (male) × 1

Remote Monitor

- **Dimensions**

- 216×58×166 mm (includes monitor cage)

- **Screen Size**

- 7 inches (diagonal)

- **Max Brightness**

- 1500 cd/m²

- **Screen Resolution**

- 1920×1200

- **Refresh Rate**

- 60 Hz

- **Max Battery Life**

- Approx. 2 hours ^[12]

- **Operating Temperature**

- 0° to 40° C (32° to 104° F)

- **Storage Temperature**

- -20° to 60° C (-4° to 140° F)

- **Power System**

- DJI WB37 Battery/NP-F series Battery (requires NP-F battery adapter)

- **Remote Monitor Port**

- 3.5mm Stereo Jack × 1
- microSD Card Slot × 1 ^[13]
- HDMI Type-A Video Input Port × 1 ^[14]
- Remote Monitor Expansion Plate High-Speed Port (female) × 1
- Remote Monitor Accessory Expansion Port × 1
- USB 3.1 Type-C Data Port × 1

- **Remote Monitor Expansion Port**

- Remote Monitor Expansion High-Speed Port (male) × 1
- HDMI 1.4 Type-A Video Output Port × 1
- 6-pin 1B DC-IN (DC 6.8-17.6 V) × 1
- 3G-SDI (Level A) BNC Video Output Port × 1

Notes

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- 1. Measured when 6K Combo is fully set up with the main monitor attached and the Z-Axis off.
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- 2. Measured with a fully charged TB50 Battery and Ronin 4D in a still state with the gimbal balanced, the Z-Axis inactive, and continuously recording in RAW. Gimbal movements or use of the Z-Axis will reduce operating time.
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- 3. Autofocus on manual lenses requires DJI Zenmuse X9 Focus Motor.
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- 4. Supported through a future firmware update.
-
- 5. Please use recommended CFexpress cards.
-
- 6. Please use recommended USB-C SSD.
-
- 7. Stabilization range of the Z-Axis is subject to change based on Z-Axis modes and usage scenarios and may be smaller than the mechanical range.
-
- 8. Unobstructed, free of interference.

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- 9. 100ms is measured at 4K/24fps, 68ms is measured at 4K/60fps.
-
- 10. Some frequency bands may not be available depending on the legal policies of the region the monitor was activated in.
-
- 11. Currently supports HDMI 1.4 and will support HDMI 2.0 in a future firmware update.
-
- 12. Measured at 50% screen brightness with DJI WB37 battery.
-
- 13. This port is currently not available. Will support internal recording in a future firmware update.
-
- 14. This port is currently not available. Will support HDMI 1.4 in a future firmware update.