Specs

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

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: ±35°
Max Control Speed (°/s)	DJI Master Wheels or DJI Force Pro: Tilt: 360°/s Roll: 360°/s Pan: 360°/s Ronin 4D Hand Grips: Tilt: 120°/s Roll: 120°/s Pan: 120°/s
Maximum Z-Axis Payload	2000 g (including 1040 g gimbal)
Angular Vibration Range	±0.01°

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 (±1%) 1-10m (±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

1. Measured when 6K Combo is fully set up with the main monitor attached and the Z-Axis off.

2. Measured with a fully charged TB50 Battery and Ronin 4D in a still state with the gimbal balanced, the Z inactive, and continuously recording in RAW. Gimbal movements or use of the Z-Axis will reduce operatin

3. Autofocus on manual lenses requires DJI Zenmuse X9 Focus Motor.

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 r smaller than the mechanical range.

8. Unobstructed, free of interference.

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 monito
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.

15. Note: DJI Ronin 4D will no longer support Apple ProRes RAW internal recording from February 16, 202