Product specification sheet

Product	DJI Ronin 4D 4-Axis Cinema Camera 8K Combo
SKU	DJI-R4D800
Brand	DJI
Category	Camera & Photo
Minimum order quantity	1
Unit	—
Unit price	$12,500.00
Available quantity	100

Description

HIGHLIGHTS: Full-Frame Gimbal Camera Internal 8K/75fps RAW 4-Axis Stabilization LiDAR Focusing Focusing ActiveTrack Pro Wireless Transmission & Control DJI Ronin 4D 4-Axis Cinema Camera 8K Combo. Integrated and Modular: Both Realized in One CameraDJI Ronin 4D offers a completely unique design. Crafted with carbon fiber and aluminum magnesium, its solid body integrates the imaging, stabilization, and focusing systems, as well as wireless transmission and control. This avoids time-consuming setup and enables quicker shooting. Users can now enjoy compact convenience along with the expansive possibilities from modular accessories. Cinematic Imaging System: Designed for ProsProcessing PowerRonin 4D is equipped with Zenmuse X9, DJI’s flagship full-frame camera. It also features DJI’s latest image processing system, CineCore 3.0. This system uses DJI’s proprietary chip to provide advanced processor architecture, offering extremely high-performance computing power in a cinema camera today. CineCore 3.0 allows Ronin 4D to support internal recording of Apple ProRes RAW, ProRes 422 HQ, and H.264 video. It also supports up to 8K/75fps and 4K/120fps video recording, delivering multiple options for professional-level creation. ResolutionDCI 8K (8192×4320)/60fps video retains every little detail, from rich foliage to inspiring architecture, skin texture to strands of hair, all with flawless quality. For those who need to output in 4K, recording in 8K offers unprecedented creative options with more flexibility for cropping, re-composing, and stabilizing videos in post. High ISO Zenmuse X9 supports dual native ISO (X9-8K: 800/4000; X9-6K: 800/5000), which records images with exquisite detail and minimal noise, even when filming an evening cityscape or beach, or a scene lit by dim candlelight. Dynamic Range With 14+ stops of dynamic range, Zenmuse X9 delivers natural transitions of highlights and shadows in complex lighting conditions such as backlit scenes and direct sunlight. These traditionally difficult scenes can now be captured easily and with confidence. Color ScienceWith the DJI Cinema Color System (DCCS) and robust computing power provided by CineCore 3.0, Zenmuse X9 is able to give images a cinematic look by retaining authentic and accurate colors. It also supports the industry-standard ACES workflow for effortless compatibility with the color tones of other cinema cameras. Built-In 9-Stop ND FiltersX9 has 9-stop built-in high-quality ND filters (ND 2 to ND 512, or ND 0.3 to ND 2.7) that can be quickly and easily switched thanks to an internal motorized system. These filters were also designed to match and compliment the color science of Ronin 4D. DL LensesX9’s standard DL mount supports three compact full-frame prime lenses. The housings are made of lightweight, monocoque carbon fiber, so each lens weighs just about 180 g. More DJI lenses will be available in the future. Interchangeable MountsX9 supports interchangeable lens mounts, including DJI’s proprietary DL mount as well as third-party mounts like Leica M. Ultra-wide, f/0.95 large-aperture, electronic zoom, macro, and anamorphic lenses that are compatible with traditional cinema cameras also work on X9, providing flexible lens options. Wireless ControlWhether you’re using manual or autofocus lenses, dedicated modules mounted to X9 can achieve wireless lens control and even autofocusing. 4-Axis Stabilization System: Steady in Every Way4-Axis StabilizationDJI Ronin 4D adds a Z-axis to the traditional 3-axis gimbal, which effectively decreases vertical camera shake and offers stabilization performance on par with a dolly. The four axes work together with a downward ToF sensor, forward and downward dual-visual sensors, a built-in IMU and barometer, and an advanced new algorithm to bring the overall stabilization to a whole new level. When this compact body combines with its powerful stabilization capabilities, complex camera movements that used to be very costly to achieve are now easily attainable. Integrated Gimbal CameraRonin 4D integrates the imaging and stabilization systems while keeping only the sensor and necessary optical components in the gimbal camera. The tilt axis of the gimbal uses dual symmetric motors, whereas both the pan axis and the roll axis are designed with an additional stiffness buffer. The compact and portable gimbal system allows shooting to begin without the need for tedious manual balancing. This also delivers stable footage, even with lenses that have a shifting center of gravity during use. With a highly integrated body and robust motor force, Ronin 4D offers the best stabilizing and tracking performance of the entire Ronin Series so far at an incredibly light weight. Additionally, it can switch to Sport mode with the press of a button, allowing the gimbal to react quickly to the cinematographer's movements. It also supports wireless gimbal control and versatile mounting configurations for varied shooting scenarios. ActiveTrack ProDJI’s proprietary computer vision, deep learning technology, and the robust computing power of CineCore 3.0 combine in ActiveTrack Pro, which enables cinema-standard tracking

shots, even in just one take. This technology also allows subjects to be tracked from longer distances and features composition adjustment with continuous autofocusing to keep subjects in focus during tracking shots. LiDAR Focusing System: Unparalleled AccuracyLiDAR WaveformDJI Ronin 4D makes manual focusing easier than ever. The visualized focus assistance technology displays the ranging points on the main and remote monitors in a simplified top-down view. This provides an innovative and intuitive LiDAR Waveform to locate focus points quickly and allow focus adjustments with extreme precision. Even operators with little or no experience can become adept at manual focusing quickly. LiDAR Range MeasurementThe LiDAR Range Finder can cast up to 43,200 ranging points within a 10-meter detection range. Compared with phase detection autofocus (PDAF), Ronin 4D's LiDAR Focusing System can focus faster, without compromising the image quality or relying on the surface texture of the subject. This is especially useful in low-light environments and results in exceptional focusing capabilities compared to other cinema cameras. AutofocusWith the new LiDAR Focusing System, Ronin 4D is able to maintain focus even when there is severe motion blur caused by subjects moving quickly. With the focus motor mounted, autofocus is available even on manual lenses. Continuous autofocusing on subjects can be enabled together with ActiveTrack Pro, making it especially convenient for solo operators. Automated Manual FocusAutomated Manual Focus (AMF) mode gives you the accuracy and flexibility of manual focus with the convenience of autofocus. The focus wheel will rotate in sync as the focus point changes, but cinematographers can take manual control at any point. The focus wheel on the right hand grip even features dynamic damping with electromagnetic technology. This gives cinematographers a physical sense of focus changes, providing a more intuitive and modern focusing experience that is unrivaled in the industry today. Wireless Transmission & Control System – Versatile Beyond ImaginationVideo Transmission PerformanceRonin 4D uses the all-new DJI O3 Pro Video Transmission technology, which offers a 20,000-foot transmission range that would be unimaginable on traditional solutions. In addition to 2.4GHz and 5.8GHz, it supports the DFS frequency band and an AES 256-bit encryption algorithm that can output a 1080p/60fps FHD feed to multiple remote monitors simultaneously with significantly enhanced security, stability, and anti-interference capability. DJI's proprietary chip powers the imaging system, video transmitter, video receiver, and remote monitor of Ronin 4D. Together, these components form a streamlined wireless transmission system, with every link explicitly optimized to provide end-to-end ultra-low transmission latency. Integrated DesignThe 4D Video Transmitter can be directly mounted onto Ronin 4D and powered by the battery of the main body. With a built-in wireless video receiver, the High-Bright Remote Monitor has a 7-inch, 1,500-nit high-bright, wide color gamut touchscreen display that can output both HDMI and SDI signals through the expansion module. Its compact and lightweight body provides optimum portability and efficient setup so users can start shooting immediately. Coordinated ShootingThe High-Bright Remote Monitor supports one transmitter with multiple receivers for video and audio feeds. Two transmission modes are available. The first is Broadcast mode, which sets no limit on the number of receivers and is suitable for monitoring with large crews. The second is Control mode, which supports the coordinated operation of two receivers. The High-Bright Remote Monitor can connect to the Hand Grips of Ronin 4D, DJI Master Wheels, DJI Force Pro, or the new DJI Three-Channel Follow Focus. This enables remote control of focus and gimbal movements with high precision, starting and stopping of recording, and camera setting adjustments to meet the highest standards of coordinated shooting on sets. In addition, the built-in gyro sensor turns the monitor into a remote motion controller for the gimbal of Ronin 4D. Mirror Control ModeMirror Control Mode gives the High-Bright Remote Monitor an identical control interface as the main monitor, including all advanced features such as source material playback, video specification and gimbal settings, which can now be remotely adjusted even when Ronin 4D is mounted to expansion platforms such as a jib, cable cam, or vehicle mount. Independent Recording and PlaybackThe High-Bright Remote Monitor has a built-in microSD card slot that supports independent recording of video at up to 1080p/60fps. When several remote monitors are used in conjunction, each monitor can play back material separately without interfering with other monitors. It's All in the Details: Outperforms in Every WayMonitoring High-Bright Main Monitor: The 5.5-inch 1000-nit adjustable screen can be mounted to various points on the main body. Exposure Assistance: Exposure waveform, false color, and zebra. Focus Assistance: LiDAR waveform, peaking (aperture and color peaking), and focus magnification (2x and 4x). Tools Overlay: Customizable frame guides, safe zone, and center marker. Color Preview: Supports customizable LUT input. Multi-link independent monitoring: video recording, main monitor, main body HDMI, and remote monitor feeds can load independent LUTs. StorageRonin 4D has a built-in CFexpress Type-B slot along with a USB 3.1 Type-C expansion port for recording directly to an external media disk. It also offers internal recording of the highest-specification videos with DJI PROSSD 1TB, which can be directly connected to a computer via USB-C cable to access media without a traditional SSD reader. These storage choices provide solutions for high cost-effectiveness and to those who want an unrivaled combination of performance and stability. Sound RecordingRonin 4D is equipped with built-in microphones that support dual-channel 24-bit audio recording. It also provides 3.5mm jacks and XLR microphone ports for more audio input solutions. Battery Life Just like Ronin 2 and Inspire 2, DJI Ronin 4D uses TB50 Intelligent Batteries, which offer up to 2.5 hours of shooting time and can be fully charged in just 1.5 hours. Auto-heating is also supported to enable reliable functionality in severely cold conditions. Main Body Ports Main Monitor Port: Connect to the main monitor via a designated cable. 3.5mm Stereo Jack: Monitor audio in real time. Microphone Jack: For 3.5mm microphone or line input. HDMI Type-A Output Port: Supports output of 1080p/60fps. Power Input Port: Supports 12 V to 30 V power input. Timecode Port: For timecode input and output. SDI Port: Supports 3D-SDI signal output. XLR Port: For microphone and line input, supports 48 V phantom power. Remote Monitor Ports 3.5mm Stereo Jack: Monitor audio in real time. microSD Card Slot: For internal recording of video feed. HDMI Type-A Input Port: Supports input of 1080p/60fps. Type-C Port: For UVC live streaming and firmware updates. Power Input Port: 6.8 V to 17.6 V power input (including CAN input and output, and connection with DJI Master Wheels and DJI Force Pro). HDMI Type-A

Output Port: Supports output of 1080p/60fps. SDI Port: 3D-SDI signal output.