

Let's Answer Your Questions

Can I use DJI Inspire 3 with the X9 gimbal camera, TB50 battery, and storage card of DJI Ronin 4D interchangeably?

The gimbal camera and TB50 battery are not interchangeable. The storage card is interchangeable. To improve DJI Inspire 3's battery life, flight experience, and performance and stability at all attitudes and speeds, Inspire 3's X9-8K Air gimbal camera has been optimized specially for aerial photography. Compared with the X9-6K and X9-8K gimbal cameras of Ronin 4D, the X9-8K Air's weight is reduced by approximately 50% with a centralized center of gravity, ensuring an improved flight time and flight experience. Additionally, the gimbal axis arms and lens locking design adopt optimized vibration-proof designs for aerial photography so that the aircraft can stay stable even during dramatic or high-speed flight maneuvers.

The new TB51 battery features higher energy density with reduced weight, and size, which is beneficial for the total flight time and wind resistance when flying forward, and is more advantageous than TB50 in terms of discharge voltage and reliability.

The DJI PROSSD 1TB of DJI Ronin 4D is interchangeable with Inspire 3.

Both the X9-6K and X9-8K gimbal cameras of DJI Ronin 4D weigh approximately 1.04 kg, while the X9-8K Air of DJI Inspire 3 weighs approximately 516 g, for a weight reduction of approximately 50%.

Are the gimbal camera, remote controller, storage card, and battery of DJI Inspire 3 interchangeable with those of DJI Inspire 2?

No. All modules of DJI Inspire 3 have been redesigned to deliver fully upgraded performance in terms of flight, imaging, video transmission, storage, and battery life.

Gimbal Camera: DJI Inspire 3 comes with the X9-8K Air gimbal camera with a newly designed gimbal camera quick-release port that meets the data transmission requirements of 8K CinemaDNG videos, and further ensures stable gimbal connection during flight.

Remote Controller: DJI Inspire 3 comes with the professional-level DJI RC Plus and professional accessories such as a strap and waist support. The DJI RC Plus supports O3 Pro, a cinema-grade video transmission system that has taken a generational leap in transmission distance, latency, and overall stability. The 7-inch high-bright screen delivers up to 1,200-nits of brightness to provide an extraordinary outdoor monitoring experience. It also features several buttons and dials on the front, back, and top, which enable fast and intuitive operation. Button functions can also be customized. The built-in battery of RC Plus provides an operating time of approximately 3.3 hours, and extends to 6 hours with an external WB37 battery. It also supports battery hot-swapping to improve creative efficiency. On top of the classic flight control interface, the new DJI Pilot 2 app for Inspire adds a cinema-grade monitoring interface, which allows simple and convenient checking of information like camera exposure, video specifications, focal length, and gimbal angle, easily meeting the monitoring requirements of gimbal operators and DPs.

Storage: The included DJI PROSSD 1TB supports a max read speed of 900MBps for recording high-frame-rate videos of 8K CinemaDNG, and the footage can be read on a computer directly through the provided USB-C to USB-C cable without the need for a card reader, convenient for DITs.

Battery: DJI Inspire 3 is equipped with six TB51 intelligent batteries and an all-new battery charging hub. TB51 batteries utilize the latest battery chemistry technology for optimized reliability and performance, and are smaller, lighter, more streamlined, and higher voltage compared to TB50. They provide a 28-minute max flight time and support hot swapping. The all-new foldable battery charging hub can accommodate eight batteries. In Fast mode, it can charge two batteries to 90% in just 35 minutes and eight batteries to 100% in only 160 minutes. The included 65W USB-C port can also be used to charge an RC Plus.

Measured using the included USB-C to USB-C data cable with an Apple MacBook Pro 2021 (Apple M1 Max chip). Measured when flying forward at a constant speed of 36 kph with the landing gear down in a windless environment at sea level, with gimbal camera and lens attached to the aircraft and without other accessories, and recording 4K/24fps H.264 (S35) video until the battery reached 0%. This data is for reference only. Please refer to the actual values in the app. Tested when charging two batteries to 90% and to 100% with the battery charging hub at a room temperature of 25° C (77° F) in a well-ventilated environment. This data is for reference only.

Compared to the Zenmuse X7, what major upgrades does the image sensor of Zenmuse X9-8K Air have?

Zenmuse X9-8K Air is equipped with a full-frame image sensor that can record video at up to 8K RAW. It supports 14+ stops of dynamic range and dual native ISO to retain more details, meeting the needs of a wide variety of cinematography scenarios.

What are the highlight features of DJI Inspire 3's video transmission system?

DJI Inspire 3 adopts the all-new O3 Pro video transmission system, which supports simultaneous video transmission of the gimbal camera and the FPV camera. Both the gimbal camera and FPV camera support HD, 1080p/60fps live feeds with latency as low as 90 ms. 4K/30fps UHD live feeds are also supported to meet the needs of monitoring and livestreaming on set.

The lowest latency of the gimbal camera was measured when recording 4K/60fps ProRes RAW video. The lowest latency of the FPV camera was measured with strong video transmission signals.

Does DJI Inspire 3 support using dual remote controllers at the same time?

Yes. In the new dual-control mode, two remote controllers can receive live feeds and control the drone independently, so the pilot and gimbal operator can be at different positions on set during flight. Check the DJI Inspire 3 User Manual for more details.

How do I achieve the largest tilt and pan angles with the DJI Inspire 3 gimbal camera?

When the landing gear of DJI Inspire 3 is raised, it supports 360° pan shooting obstruction-free. When the landing gear is lowered and the gimbal camera faces forward, it can achieve 80° tilt shooting obstruction-free.

Can I take DJI Inspire 3's batteries in carry-on baggage when boarding an airplane?

Yes. The capacity of a DJI Inspire 3 Intelligent Battery is 4280 mAh and the energy is 98.8 Wh. Most aviation companies regulate that batteries under 100 Wh can be transported in carry-on baggage.

Regulations regarding LiPo batteries in carry-on baggage can vary by country and region. Consult your local airline and the relevant authorities of the departure and destination locations.

Does DJI Inspire 3 support the DJI High-Bright Remote Monitor?

Yes. DJI High-Bright Remote Monitor can pair directly with Inspire 3 to receive live feeds, and can even control gimbal and focus when the Ronin 4D Hand Grips are attached. HDMI and SDI ports on the remote monitor can also output live feeds to other monitoring devices.

What lenses are compatible with ZENMUSE X9-8K Air?

DL 18 mm F2.8 ASPH Lens

DL 24 mm F2.8 LS ASPH Lens

DL 35 mm F2.8 LS ASPH Lens

DL 50 mm F2.8 LS ASPH Lens