

Gimbal Camera

Sensor	35mm full-frame CMOS
Max Resolution	Photo: 8192×5456 Video: 8192×4320
Video Resolution	View detailed list
Supported Lenses	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
Photo Format	JPG, DNG
Video Format	MOV, CinemaDNG
Operation Mode	Capture, Record, Playback
Exposure Mode	P, A, S, M
Shutter Type	Electronic shutter
Shutter Speed	8-1/8000 s
White Balance	AWB MWB (2000K-10000K)
ISO Range	Photo ISO: 100-25600 Video EI: 200-6400
Anti-flicker	Capture Mode: Auto, 50 Hz, 60 Hz, OFF
Angular Vibration Range	Hovering: ±0.002° Flying: ±0.004°
Installation Method	Quick release
Mechanical Range	Tilt: -128° to +110° (landing gear lowered) -148° to +90° (landing gear raised) Roll: -90° to +230° Pan: ±330°
Controllable Range	Tilt (landing gear lowered): Before gimbal tilt limit extension: -90° to +30° After gimbal tilt limit extension: -115° to +100° Tilt (landing gear raised): Before gimbal tilt limit extension: -90° to +30° After gimbal tilt limit extension: -140° to +75° Roll: ±20° Pan: ±300°
Max Control Speed	With DJI RC Plus: Tilt: 120°/s Roll: 180°/s Pan: 270°/s With DJI Master Wheels: Tilt: 432°/s Roll: 432°/s Pan: 432°/s
Weight	Approx. 516 g (without lens)

Video Transmission

Video Transmission System	O3 Pro
Live View Quality	FPV Camera: Up to 1080p/60fps Gimbal Camera: Up to 1080p/60fps, 4K/30fps
Max Live Video Bitrate	50 Mbps
Max Transmission Distance	Single Control Mode: FPV Camera: approx. 15 km (FCC), 8 km (CE/SRRC/MIC) Gimbal Camera (1080p/60fps live feeds): approx. 13 km (FCC), 7 km (CE/SRRC/MIC) Gimbal Camera (4K/30fps live feeds): approx. 5 km (FCC), 3 km (CE/SRRC/MIC) Dual-Control Mode: FPV Camera: approx. 12 km (FCC), 6.4 km (CE/SRRC/MIC) Gimbal Camera (1080p/60fps live feeds): approx. 11.2 km (FCC), 5.6 km (CE/SRRC/MIC) Gimbal Camera (4K/30fps live feeds): approx. 4 km (FCC), 2.4 km (CE/SRRC/MIC) <small>Transmission distance is affected by the environment, terrain, and other factors. Please refer to the user manual for more details.</small>
Lowest Latency	FPV Camera: 90 ms Gimbal Camera: 90 ms <small>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 when recording 1080p/60fps ProRes RAW video.</small>
Operating Frequency	2.4000-2.4835 GHz 5.150-5.250 GHz (CE: 5.170-5.250 GHz) 5.725-5.850 GHz <small>In some regions, the 5.1 and 5.8GHz frequencies are prohibited, or the 5.1GHz frequency is only allowed for indoor use. Please refer to local laws and regulations.</small>
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: <23 dBm (CE) 5.8 GHz: <33 dBm (FCC), <30 dBm (SRRC), <14 dBm (CE)