Product specification sheet

Product	Insta360 Luna Ultra Dual-Lens 8K Gimbal Camera
SKU	cm-LUNA01
Brand	Insta360
Category	Camera & Photo
Minimum order quantity	1
Unit	—
Unit price	$770.00
Available quantity	100

Description

Insta360 Luna Ultra Dual-Lens 8K Gimbal Camera The Insta360 Luna Ultra Dual-Lens 8K Gimbal Camera is designed for creators who want cinematic image quality, smooth stabilized footage, advanced tracking, and flexible focal lengths in one compact handheld camera. With a Leica Summicron main lens, 1-inch 8K sensor, pro-grade telephoto lens, 3-axis gimbal stabilization, detachable 2-inch OLED touchscreen, 10-bit I-Log, Dolby Vision video, and AI tracking, it is built for vlogging, travel, portraits, low-light scenes, cinematic content, and professional-style everyday shooting. Key Features Leica Summicron Main Lens with 1-Inch SensorCaptures high-quality 8K footage with strong detail, dynamic range, and cinematic color. 8K30fps Dolby Vision VideoRecords detailed 8K video with enhanced contrast and color for a more cinematic viewing experience. 4K120fps Slow MotionSupports smooth slow-motion footage for action, lifestyle, travel, and creative video. 1/1.3-Inch Pro-Grade Telephoto LensAdds a 60mm equivalent perspective for portraits, details, compression, and natural background separation. Up to 12× ZoomOffers flexible framing with up to 12× zoom and up to 6× lossless zoom for tighter shots. 3-Axis Mechanical StabilizationReduces camera shake without relying only on digital cropping, helping create smooth handheld footage. Triple AI Chip SystemEnhances processing, low-light clarity, noise reduction, tracking, and image performance. PureVideo Low-Light ModeSupports low-light video recording up to 4K60fps with improved brightness and reduced noise. Detachable 2-Inch OLED TouchscreenWorks as a monitor and remote controller with HD image transmission up to 20m in ideal conditions. Built-In Microphone on Detachable ScreenAdds extra flexibility for remote monitoring and audio capture. AI Deep Track & Rapid FocusKeeps subjects centered with Auto Tracking, Group Tracking, Active Zoom Tracking, and Smart Framing. 10-Bit I-Log RecordingPreserves more color information for advanced editing, color grading, and professional post-production workflows. 37MP UltraPhotoCaptures high-resolution still photos with strong clarity and detail. 200MP Scenic PanoramaCreates ultra-detailed panoramic images for landscapes, travel, and wide scenic shots. Leica Color Profiles & FiltersIncludes creative looks such as Leica Natural, Leica Chrome, Leica Vivid, NC Film, CC Film, Neg Film, Pos Film, Fresh, and Cinematic. Internal Storage + microSD SupportIncludes 47GB internal storage and supports microSD cards up to 2TB. Long RuntimeOffers up to 240 minutes in controlled 1080p24 recording conditions with screen and Wi-Fi turned off. Technical Specifications Product Type: Dual-Lens 8K Gimbal Camera Brand: Insta360 Model: Luna Ultra Colors: Cosmic Black, Stellar White Weight: Cosmic Black 233g / Stellar White 235g Dimensions: 52.4 × 169.9 × 38.5mm Stabilization: 3-axis mechanical gimbal Internal Storage: 47GB External Storage: microSD cards up to 2TB USB: Type-C USB 3.0 Microphones: 4 total, including 3 on main gimbal and 1 on detachable touchscreen Operating Temperature: 0°C to 40°C Gimbal Specifications Controllable Range: Pan: -57° to 235° Tilt: -57° to 120° Roll: -50° to 50° Mechanical Range: Pan: -63° to 240° Tilt: -98° to 180° Roll: -63° to 220° Maximum Control Speed: 210°/s Angular Vibration Range: ±0.005° Main Lens Specifications Sensor Size: 1 inch Lens: Leica Summicron Aperture: F1.8 35mm Equivalent Focal Length: 20mm Minimum Focus Distance: 9cm Dynamic Range: Up to 14 stops Telephoto Lens Specifications Sensor Size: 1/1.3 inch Lens: Leica Summicron telephoto lens Aperture: F2.0 35mm Equivalent Focal Length: 60mm Minimum Focus Distance: 15cm Zoom Range: 1× to 12× for photo and video Lossless Zoom: Up to 6× Photo & Video Specifications 8K Video 16:9: 7680 × 4320 at 30 / 25 / 24fps 8K Video 2.35:1: 7680 × 3264 at 30 / 25 / 24fps 4K Video 16:9: 3840 × 2160 up to 120fps 4K Video 2.35:1: 3840 × 1632 up to 120fps 3K Video 1:1: 3072 × 3072 up to 60fps 3K Video 9:16: 1728 × 3072 up to 60fps 2.7K Video 16:9: 2688 × 1520 up to 120fps 2.7K Video 9:16: 1520 × 2688 up to 60fps 1080p Video 16:9: 1920 × 1080 up to 240fps 1080p Video 9:16: 1080 × 1920 up to 60fps PureVideo: Up to 4K60fps Slow Motion: Up to 4K120fps and 1080p240fps Timelapse: 4K / 2.7K / 1080p at 30fps UltraPhoto Resolution: 37MP Standard Photo Resolution: 9MP / 8MP Scenic Panorama: Up to 200MP Video Format: MP4 Photo Format: JPG, JPG + RAW Video Coding: H.265 Maximum Video Bitrate: 120Mbps Shooting Modes Video Modes: Video, PureVideo, Slow Motion, Timelapse, TimeShift, Barrel Roll Photo Modes: Standard Photo, UltraPhoto, Live Frame, Panorama Color Profiles: Standard, Dolby Vision, 10-bit I-Log Color Depth: 8-bit photo, 10-bit video ISO Range: 100–6400 Exposure Value: ±4EV White Balance: 2000–10000K Photo Shutter Speed: 1/8000s to 30s Video Shutter Speed: 1/8000s to 1/24s Audio Specifications Audio Modes: Wind Reduction, Voice Enhancement, Original Audio Audio Format: 48kHz, 32-bit, AAC Microphone Support: Built-in microphones and compatible Bluetooth microphones Battery Life Main Gimbal Battery:

1550mAh Detachable Touchscreen Battery: 210mAh Runtime: Up to 240 minutes in controlled 1080p24 conditions with screen and Wi-Fi turned off Charging Time: Up to 80% in around 23 minutes using a compatible PD3.0 PPS 45W USB-C charger Actual battery life depends on resolution, frame rate, Wi-Fi usage, screen usage, tracking features, temperature, and shooting mode. Connectivity Wi-Fi Protocol, Main Gimbal: Wi-Fi 6, 802.11 a/b/g/n/ac/ax Wi-Fi Protocol, Detachable Touchscreen: Wi-Fi 4, 802.11 b/g/n Bluetooth Protocol: BR / EDR / BLE Bluetooth Frequency: 2402MHz–2480MHz Mobile App Compatibility: iOS and Android devices meeting the required chipset and software requirements Compatible Wireless Microphones: Insta360 Mic Air, Insta360 Mic Pro Compatible Bluetooth Controller: Insta360 POV Head Tracker What’s in the Box Insta360 Luna Ultra × 1 Protective Cover × 1 Wind Guard × 1 1/4-inch Thread Handle × 1 Wrist Strap × 1