

Inspire 1 SPECIFICATIONS

- DJI's most advanced technology comes together in an easy to use, all-in-one flying platform that empowers you to create the unforgettable. Strong carbon fiber arms lift out of sight, transforming the way you shoot. Get a full, unrestricted 360deg. view of the world below and create images like never before.

- **4K Camera**

Shoot up to 4K video and capture 12 megapixel photos with the Inspire 1 camera. The lens consists of 9 separate elements, including an aspherical element, for extreme clarity, while Adobe DNG RAW support gives you the power to make every shot a masterpiece.

- **Full-Featured App**

Take complete control of your camera and flight system with a comprehensive mobile app. Everything from manual camera controls to flight telemetry and even auto takeoff and landing are just a tap away, with more functions and updates coming soon. Install the mobile app onto your phone or tablet and you'll see what your Inspire 1 sees while taking control of its camera and flight settings.

- **Optional Dual-Operator Control**

Fly with a friend and share your vision. Achieve shots that never would have been possible alone by using two remote controllers. One person flies, while the other controls the camera.

- **Vision positioning system**

Flying indoors is easier than ever with Vision Positioning technology that provides accurate position holding even when GPS is unavailable. The sensors determine your Inspire 1's location and altitude and lower the legs automatically when landing.

- **Advanced, Ready-to-Fly Design**

Imagine holding the future in your hands. Designed to be powerful while lightweight, flexible while providing the stability you need, the Inspire 1 is DJI's most advanced complete package. All of the latest aerial technology is packed into one simple, ready-to-fly system, putting you in the sky within minutes.

- **Powerful PROPULSION SYSTEM**

The Inspire 1's propulsion system is unique among all flight platforms. They re-engineered and re-built the system to handle the demands of advanced flight, while increasing efficiency and reliability.

- Aerodynamic Transforming Design

Carbon fiber arms give you the strength to maneuver in the air and they transform, moving out of the camera's way at the flick of a switch. With a full 360deg. unobstructed view, you now have the freedom to capture shots independent of the direction you are flying. Every part, every component of the Inspire 1 was engineered to be durable and lightweight. The body's aerodynamic design cuts through the sky and further enhances your control over the aircraft. This ensures long flight times and a long operational life.

- Modular, upgradeable system

Inspire 1's gimbal and camera system can be removed from the aircraft for safe transport and future upgrades.

- New Camera and Gimbal System

Get crystal clear images with DJI's most advanced camera to date. The gimbal holding your camera is the result of DJI's years of expertise in camera stabilization, giving you smooth, stable footage in any flight conditions.

- Video: 4K at 24-30 fps or 1080p at 24-60fps,
- Photos: 12 Megapixels
- Lens: 9 elements in 9 groups including an aspherical element
- 1/2.3 inch CMOS sensor
- 94deg. wide-angle FOV
- 3-axis, 360deg. rotating gimbal

- Live HD View

A beautiful, 720p HD view shows you exactly what your camera sees at all times. Frame your shots and fly as though you're in the sky yourself. This is made possible by an all new and improved version of DJI's Lightbridge technology which can transmit video from up to 2km away.

- Create together

For an even greater level of precision, use a second remote controller and fly with a friend. With two operators controlling the same Inspire 1, one person pilots the flight path while the other aims the gimbal and camera. Each user can have their own screen to see exactly what is being shot in real-time. By working in tandem, you're capturing shots that are more complex and artistic than ever before.

- Fly Indoors and Without GPS using Vision Positioning System

Indoor flight has always been a true test of skill for all levels of pilots. DJI's new Vision Positioning technology uses a specially designed camera as well as sonic waves to bring simplicity to flying indoors. This technology allows the Inspire to hold its position, stop when the controls are released and respond to your commands even when GPS is unavailable.

- Intelligent Power Management System

A fully integrated intelligent battery powers your Inspire 1 and virtually manages itself. When in flight, your remaining battery power is shown live, letting you know how long you can continue to fly. Advanced algorithms calculate the distance of your aircraft and estimated time to return home, letting you know when it's time to fly back. The battery reports the voltage of each cell, the total lifetime charges and discharges and the overall health and battery status. All this helps you keep your Inspire 1 in the air and flying for years to come.

- Manual Mode

Change all of your camera settings, including ISO, White Balance, Exposure and more on the fly ensuring every shot looks exactly the way you want.

- Live Map and Radar

See precisely where your Inspire 1 is at all times on the live map. The map can be enlarged when needed and shows your most recent flight path.

- Dynamic Home Point

When GPS signal is available on the remote, the Home Point automatically refreshes. This becomes useful while traveling in a car or on a boat allowing the return-to-home point to move where the operator goes. Multiple configurations are available via the Dynamic Home Point function.

- Auto-Takeoff and Landing

Takeoff and landing is easier than ever before, with both functions just a tap away. Tap once to takeoff and your Inspire 1 will hover and transform, ready to start filming. Then tap again to make it transform into landing mode and auto land.

- Flight Telemetry

All of the information you need to fly safely is just a glance away. Altitude, flight speed, distance and more are right at your fingertips.

- Remote Control Customization

Put yourself in charge by tailoring the Inspire 1's controls to your personal needs. This way, your Inspire 1 moves and responds in ways you're most comfortable with.

- Dedicated controls

Take absolute control of your Inspire 1 with DJI's most sophisticated remote controller to date. Featuring dedicated buttons for photo and video capture, a gimbal control dial, an integrated rechargeable battery and more, it's easy and intuitive to fly. The controller has a mini-HDMI and USB port allowing you to connect mobile devices or compatible screens.

- Easy, safe flight

Even if you've never flown before, taking off and landing your Inspire 1 is easy and safe. It takes just one tap to make your Inspire 1 takeoff and transform, ready to start filming. Then tap again to have it transform into landing mode and land. When GPS is available, the Home Point (the location you are standing) automatically refreshes, so your Inspire 1 always knows where you are even if you move around. When you tell it to come back or in case of an emergency, it knows exactly where to go and land safely.

- A complete ready-to-fly system

Everything you need is included and ready to go, offering you a complete aerial filmmaking tool in one box. Just add your mobile device or other screen to use the live HD view.

Aircraft: Hovering Accuracy (GPS mode) Vertical: 0.5 m

Horizontal: 2.5 m

Aircraft: Max Angular Velocity Pitch: 300deg./s
Yaw: 150deg./s
Aircraft: Max Tilt Angle 35deg.
Aircraft: Max Ascent Speed 5 m/s
Aircraft: Max Descent Speed 4 m/s
Aircraft: Max Speed 22 m/s (ATTI mode, no wind)
Aircraft: Max Flight Altitude 4500 m
Aircraft: Max Wind Speed Resistance 10 m/s
Aircraft: Max Flight Time Approximately 18 minutes
Aircraft: Indoor Hovering Enabled by default
Aircraft: Operating Temperature Range -10deg. to 40deg. C
Aircraft: Diagonal Distance 559 to 581 mm
Gimbal: Output Power (with camera) Static: 9 W
In Motion: 11 W
Gimbal: Operating Current Station: 750 mA
Motion: 900 mA
Gimbal: Angular Vibration Range ± 0.03 deg.
Gimbal: Mounting Detachable
Gimbal: Controllable Range Pitch: -90deg. to +30deg.
Pan: ± 320 deg.
Gimbal: Mechanical Range Pitch: -125deg. to +45deg.
Pan: ± 330 deg.
Gimbal: Max Controllable Speed Pitch: 120deg./s
Pan: 180deg./s
Camera: Name X3
Camera: Total Pixels 12.76M
Camera: Effective Pixels 12.4M
Camera: Image Max Size 4000x3000
Camera: ISO Range 100-3200

Camera: FOV (Field of View) 94deg.

Camera: CMOS Sony EXMOR 1/2.3"

Camera: Lens f/2.8 (20 mm equivalent)

9 Elements in 9 groups

Aspherical lens element

Anti-distortion filter

UV filter

Camera: Still Photography Modes Single shoot

Burst shooting (BURST: 3/5/7 frames, AEB: 3 or 5 bracketed frames at 0.7EV Bias)

Time lapse

Camera: HD Video Recording Modes UHD (4K): 4096x2160p24/25, 3840x2160p24/25/30

FHD: 1920x1080p24/25/30/48/50/60

HD: 1280x720p24/25/30/48/50/60

Camera: Max Bitrate of Video Storage 60 Mbps

Camera: Supported File Formats FAT32/exFAT

Photo: JPEG, DNG

Video: MP4/MOV (MPEG-4 AVC/H.264)

Camera: Supported SD Card Types SD/SDHC/SDXC Micro SD

Max capacity: 64 GB . Speed: Class 10 or higher

Camera: Operating Temperature Range 0deg. to 40deg. C

Remote Controller: Name C1

Remote Controller: Operating Frequency 5.728-5.850 GHz

2.400-2.483 GHz

Remote Controller: Transmitting Distance 2 km (outdoor and unobstructed)

Remote Controller: EIRP 10dBm at 900m, 13dBm at 5.8G, 20dB at 2.4G

Remote Controller: Video Output Port USB, mini-HDMI

Remote Controller: Power Supply Built-in battery

Remote Controller: Charging DJI charger

Remote Controller: Dual User Capability Host-and-Slave connection

Remote Controller: Mobile Device Holder Tablet or Phone

Remote Controller: Max Mobile Device Width: 170mm

Remote Controller: Output Power 9 W

Remote Controller: Operating Temperature -10deg. to 40deg. C

Remote Controller: Storage Temperature Less than 3 months: -20deg. to 45deg. C

More than 3 months: 22deg. to 28deg. C

Remote Controller: Charging Temperature 0-40deg. C

Remote Controller: Battery 6000 mAh LiPo 2S

Charger Voltage 26.3 V

Charger Rated Power 100 W

Battery (Standard) Intelligent Flight Battery

Battery Capacity 4500 mAh

Battery Voltage 22.2 V

Battery Type LiPo 6S High voltage battery

Battery Energy 99.9 Wh

Battery Operating Temperature Range -10deg. to 40deg. C

Battery Storage Temperature Range Less than 3 months: -20deg. to 45deg. C

More than 3 months: 22deg. C to 28deg. C

Battery Charging Temperature Range 0deg. to 40deg. C

Battery Max Charging Power 180 W

Vision Positioning Velocity Range Below 8 m/s (2 m above ground)

Vision Positioning Altitude Range 5-500 cm

Vision Positioning Operating Environment Brightly lit (lux > 15) patterned surfaces

Vision Positioning Operating Range 0-250 cm

Mobile Device System Requirements iOS version 7.1 or later

Android version 4.1.2 or later

Supported Mobile Devices iPhone 6 Plus, iPhone 6, iPhone 5S, iPad Air 2, iPad Mini 3, iPad Air, iPad Mini 2, iPad 4

Samsung Note 3, Samsung S5, Sony Z3 EXPERIA

Dimensions Aircraft: 438 x 451 x 301mm / 17.24 x 17.76 x 11.85"

Weight Aircraft (Battery Included): 2935g / 103.53oz

Battery: 570g / 20.11oz