

## DJI Inspire 1 Quadcopter with 4K Camera and 3-Axis Gimbal



Rating: 5.0

**Price:**

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 799.00

Discount:



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Manufacturer: [Dji](#)

Description

### Product Highlights

- Capture 4K Video and 12MP Stills
- 3-Axis Gimbal Stabilizes Camera
- Up to 1.2 Mile Radio Range
- GPS-Based Flight Control System

## Drone : DJI Inspire 1 Quadcopter with 4K Camera and 3-Axis Gimbal

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- Vision Positioning for Indoor Flying
- Live 720p HD Monitoring with Lightbridge
- Retractable Carbon Fiber Arms
- Unobstructed 360° Shooting
- Dual Transmitter Operation Supported

### Performance

Hovering Accuracy (GPS Mode)

Vertical: 1.6' / 0.5 m  
Horizontal: 8.2' / 2.5 m

Maximum Angular Velocity

Pitch: 300°/s  
Yaw: 150°/s

Maximum Tilt Angle

35°/s

Maximum Ascent/Descent Speed

Ascent: 16.4 fps / 5 m/s  
Descent: 13.1 fps / 4 m/s

Maximum Speed

72.2 fps / 22 m/s (Attitude mode; no wind)

Maximum Flight Altitude

14,764' / 4,500 m

Maximum Wind Speed Resistance

32.8 fps / 10 m/s

Maximum Flight Time

With Zenmuse X3: Up to 18 minutes  
With Zenmuse X5/X5R: Up to 15 minutes

### Camera

Model

Name: X3

Designation: FC350

Sensor

Sony EXMOR 1/2.3" CMOS

Resolution

12.0 MP

Lens

Field of View: 94°

Focal Length (35 mm Equivalent): 20 mm

Aperture: f/2.8

Design: 9 elements in 9 groups; aspherical lens element

Filters: Anti-distortion filter; UV filter

Video Recording

#### **UHD (4K):**

4096 x 2160: 24p, 25p

3840 x 2160: 24p, 25p, 30p

#### **FHD (1080p):**

1920 x 1080: 24p, 25p, 30p, 48p, 50p, 60p

#### **HD (720p):**

1280 x 720: 24p, 25p, 30p, 48p, 50p, 60p

File Format

Maximum Bitrate: 60 Mbp/s

Photo: JPEG, DNG

Recording Media

Video: MP4 in a .MOV wrapper ?MPEG-4 AVC/H.264?

Type: microSD/SDHC/SDXC up to 64 GB

Speed: Class 10 or faster

Format: FAT32/exFAT

Photography Modes

Single shot

Burst: 3, 5, 7 frames per second (AEB: 3/5 frames per second; 0.7 EV bias)

Time-lapse

32 to 104°F / 0 to 40°C

Operating Temperature

Gimbal

Model

Zenmuse X3

Number of Axes

3-axis

Control Accuracy

±0.03°

Maximum Controlled Rotation Speed

Pitch: 120°/s

Pan: 180°/s

Controlled Rotation Range

Pitch: -90° to +30°

Pan: ±330°

Angular Vibration Range

±0.03°

Output Power

Static: 9 W

In Motion: 11 W

Static: 750 mA

In Motion: 900 mA

Operational Current

Detachable

Mounting

Flight Controller

Enabled by default

Indoor Hovering

Frequency: 50 Hz

Optical Sensor (Optical Flow)

Velocity Range: Below 26.2 fps / 8 m/s (6.6' / 2 m above the ground)

Altitude Range: 2 to 196.8" / 5 to 500 cm

Motor		DJI 3510
Model		350 Kv
Motor Velocity Constant		4.6 lb / 2100 g at 25 V and sea level
Maximum Thrust		3.6 oz / 102 g
Weight		
Propeller		
Model		DJI 1345
Transmitter		
Operating Frequency		Transmitter to Transmitter: 5.728 to 5.850 GHz Transmitter to Aircraft: 2.400 to 2.483 GHz Line-of-Sight: Up to 6561.7' / 2000 m 1% PER:-93 dBm 10 dBm at 900 MHz; 8 dBm at 5.8 GHz; 20 dBm at 2.4 GHz 1 x USB type A female (for connecting mobile device) 1 x Micro-USB for firmware updates 1 x Mini-HDMI video output for FPV 1 x CAN-Bus port (for future accessory) Host-and-slave connection Tablet or smartphone
Range		
Receive Sensitivity		
EIRP		
Connectivity		
Dual User Capability		
Mobile Device Holder		
Output Power		9 W
Power Requirements		1.2 A at 7.4 VDC
Battery		6S LiPo; 6000 mAh
Charging Temperature		Less than 3 Months: -4 to 113°F / -20 to 45°C More than Three Months: 72 to 82°F / 22 to 28°C
Storage Temperature		Less than 3 Months: -4 to 113°F / -20 to 45°C More than 3 Months: 72 to 82°F / 22 to 28°C Device Width: 2 to 6.7" / 5 to 17 cm
Mobile Device Holder		
Flight Battery		
Model		TB47
Voltage		6S LiPo; 22.2 VDC
Capacity		4500 mAh / 99.9 Wh
Maximum Charging Power		180 W
Operating Temperature		-4 to 104°F / -20 to 40°C
Storage Temperature		-4 to 113°F / -20 to 45°C 72 to 82°F / 22 to 28°C 32 to 104°F / 0 to 40°C
Charging Temperature		
Weight		1.3 lb / 570 g
Charger		
Model		A14-100P1A
Voltage		26.3 VDC
Output Power		100 W
Mobile App		
System	iOS: 7.1 or later	
Requirements	Android: 4.1.2 or later	
	<b>Note:</b> The device must be connected to a transmitter via USB (wireless linking is not supporting). Additionally, waypoint navigation requires an active Internet connection in order to load the maps	
General		
Model		Aircraft: T600
Operating Temperature		14 to 104°F / -10 to 40°C
Dimensions		<b>Diagonal Distance:</b> Landing Gear Lowered: 22" / 559 mm Landing Gear Raised: 22.9" / 581 mm

Weight  
Packaging Info  
Package Weight  
Box Dimensions (LxWxH)

**Overall Dimensions:**  
17.2 x 17.8 x 11.9" / 438 x 451 x 301 mm

**Transit Case:**  
Exterior: 22.4 x 19.7 x 10.6" / 57 x 50 x 27 cm  
With Battery: 6.5 lb / 2.9 kg

20.0 lb  
23.307 x 20.945 x 11.811"