

DJI Inspire 1 v2.0 Quadcopter with 4K Camera and 3-Axis Gimbal



Rating: 5.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 999.00

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
- Vision Positioning for Indoor Flying

- Live 720p HD Monitoring with Lightbridge
- Thrust-Boosted Motors / New Propellers
- 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 Video: MP4 in a .MOV wrapper ?MPEG-4 AVC/H.264?
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Recording Media

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
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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
Operational Current	Static: 750 mA In Motion: 900 mA
Mounting	Detachable

Flight Controller	
Indoor Hovering	Enabled by default
Optical Sensor (Optical Flow)	Frequency: 50 Hz 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 Operating Environment: Rich pattern surface with adequate lighting (> 15 lux) Operating Range: 0 to 8.2' / 0 to 2.5 m
Motor	
Model	DJI 3510H
Motor Velocity Constant	420 Kv
Maximum Thrust	4.8 lb / 2200 g at 25 V and sea level
Weight	3.8 oz / 107 g
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
Range	Line-of-Sight: Up to 6561.7' / 2000 m
Receive Sensitivity	1% PER: -93 dBm
EIRP	10 dBm at 900 MHz; 8 dBm at 5.8 GHz; 20 dBm at 2.4 GHz
Connectivity	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
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
Mobile Device Holder	Device Width: 2 to 6.7" / 5 to 17 cm
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
Charging Temperature	32 to 104°F / 0 to 40°C
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

Note: 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

Operating Temperature

Dimensions

Aircraft: T600

14 to 104°F / -10 to 40°C

Diagonal Distance:

Landing Gear Lowered: 22" / 559 mm

Landing Gear Raised: 22.9" / 581 mm

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

Weight

Packaging Info

Package Weight

Box Dimensions (LxWxH)

21.75 lb

23.0 x 21.4 x 11.7"