

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

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

Operating Temperature

32 to 104°F / 0 to 40°C

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

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|-------------------------------|---|
| Mounting | Detachable |
| 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 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) |
| Dual User Capability | Host-and-slave connection |
| Mobile Device Holder | Tablet or smartphone |
| 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 |

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| | <p>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</p> |
| General | |
| Model | Aircraft: T600 |
| Operating Temperature | 14 to 104°F / -10 to 40°C |
| Dimensions | <p>Diagonal Distance: Landing Gear Lowered: 22" / 559 mm Landing Gear Raised: 22.9" / 581 mm</p> <p>Overall Dimensions: 17.2 x 17.8 x 11.9" / 438 x 451 x 301 mm</p> <p>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</p> |
| Weight | |
| Packaging Info | |
| Package Weight | 21.75 lb |
| Box Dimensions (LxWxH) | 23.0 x 21.4 x 11.7" |