

## DJI Inspire 1 PRO Quadcopter with Zenmuse X5 4K Camera and 3-Axis Gimbal



Rating: 4.0

**Price:**

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 1,949.00

Discount:



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Manufacturer: [Dji](#)

Description

## Product Highlights

- 4K MFT Camera with 3-Axis Gimbal
- 15mm f/1.7 Lens Included
- Up to 1.2 Mile Radio Range
- GPS-Based Stabilization System
- Optical Flow Sensor for Indoor Flying
- DJI Lightbridge System Integrated
- 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

Up to 18 minutes

## Camera

Model                Name: Zenmuse X5

Lens Mount        MFT (Micro Four Thirds)

Photo Resolution 16 MP (4608 x 3456)

Video Resolution DCI 4K (4096 x 2160): 24p, 25p  
UHD 4K (3840 x 2160): 25p, 30p  
FHD (1920 x 1080): 24p, 25p, 30p, 48p, 50p, 60p

Field of view     15 mm f1.7 ?72°  
(FOV)            (included)  
12 mm f2.0?84°  
(available separately)

Photo Modes     Single shot  
Burst: 3, 5, or 7 frames  
Auto Exposure (AE) Bracketing: 3/5 bracketed frames at 0.7 EV bias  
Time-Lapse: 3, 5, 7, 10, 20, 30, or 60 second intervals

ISO Range        100 to 25600

Shutter Speed    8 to 1/8000 second

Video Bitrate    Up to 60 Mbps

Supported File    Photo: JPEG, DNG RAW  
Types              Video: MP4, MOV (MPEG-4/AVC/H.264F)

File System: FAT32 / exFAT

Recording Media Class 10 / UHS-1

	or better microSD (up to 64 GB)	
Power	Static: 8 W	
Consumption	Peak: 13 W	
Operating Temperature	32 to 104°F / 0 to 40°C	
Dimensions (H x W x D)	4.7 x 5.3 x 5.5" / 120 x 135 x 140 mm	
Weight	With Standard Lens, Balancing Ring, Lens Hood, and microSD card: 1.2 lb / 526 g	
Lens		
Model		DJI MFT 15 mm f/1.7 ASPH
Mount		MFT (Micro Four Thirds)
Focal Length		15 mm
		35 mm Equivalent: 30 mm
Aperture Range		f/1.7 to f/16
Focus Range		0.7' (0.2 m) to ?
Field of View		72°
Elements		9 elements in 7 groups (3 aspherical elements)
Aperture		7 diaphragm blades / circular aperture diaphragm
Dimensions		Maximum Diameter: 2.3" / 57.5 mm
		Length: 1.4" / 36 mm
Weight		4.1 oz / 115 g
Gimbal		
Model		Zenmuse X5
Mount		Detachable
Number of Axes		3-axis
Control Angle Accuracy		±0.02°
Control Range		Pitch: -90° to +30°
		Pan: ±320°
Manual Control Speed		Pitch: Up to 120°/second
		Pan: Up to 180°/second
Flight Controller		
Indoor Hovering		Enabled by default
Vision Positioning		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 3510
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		72 to 82°F / 22 to 28°C -4°F / -20°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
	<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
	<b>Overall Dimensions:</b> 17.2 x 17.8 x 11.9" / 438 x 451 x 301 mm Not specified by manufacturer
Weight	