



THE FUTURE OF POSSIBLE

Specifications

Inspire 2

Aircraft (Model: T650)	
Weight	7.25 lbs (3290 g, including two batteries, without gimbal and camera)
Diagonal Distance(propeller excluded)	18 inch (605 mm, Landing Mode)
Max Takeoff Weight	8.82 lbs (4000 g)
Max Takeoff Sea Level	1.55 mi (2500 m); 3.1 mi (5000 m with specially-designed propeller)
Max Flight Time	Approx. 27 min (with Zenmuse X4S)
Max Tilt Angle	P-mode: 35° (Forward Vision System enabled: 25°); A-mode: 35°; S-mode: 40°
Max Ascent Speed	P-mode/A-mode: 16.4 ft/s (5 m/s); S-mode: 19.7 ft/s (6 m/s)
Max Descent Speed	Vertical: 13.1 ft/s (4 m/s); Tilt: 13.1-29.5 ft/s (4-9 m/s) Default tilt is 13.1 ft/s (4 m/s), can be set in-app.
Max Speed	67 mph (108 kph)
GPS Hovering Accuracy	Vertical: ±1.64 feet (0.5 m) or ±0.33 feet (0.1 m, Downward Vision System enabled) Horizontal: ±4.92 feet (1.5 m) or ±0.98 feet (0.3 m, Downward Vision System enabled)
Operating Temperature	14° to 104° F (-10° to 40° C)
Gimbal	
Angular Vibration Range	±0.01°



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Controllable Range	Pitch: -130° to +40°; Roll: ±20°; Pan: ±320°
Max Controllable Speed	Pitch: 90°/s; Roll: 90°/s; Pan: 90°/s
Downward Vision System	
Velocity Range	<32.8 ft/s (10 m/s) at height of 6.56 feet (2 m)
Altitude Range	<32.8 feet (10 m)
Operating Range	<32.8 feet (10 m)
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Ultrasonic Sensor Operating Range	0.33-16.4 feet (10-500 cm)
Ultrasonic Sensor Operating Environment	Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)
Forward Vision System	
Obstacle Sensing Range	2.3-98.4 feet (0.7-30 m)
FOV	Horizontal: 60°; Vertical: 54°
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Upward Infrared Sensing System	
Obstacle Sensing Range	0-16.4 feet (0-5 m)
FOV	±5°
使用环境	Large-size non-reflective obstacles
Remote Controller	
Operating Frequency	2.400-2.483 GHz; 5.725-5.850 GHz
Max Transmitting Distance (unobstructed, free of interference)	2.4 GHz: 4.3 miles (7 km, FCC); 2.2 miles (3.5 km, CE); 2.5 miles (4 km, SRRC) 5.8 GHz: 4.3 miles (7 km, FCC); 1.2 miles (2 km, CE); 3.1 miles (5 km, SRRC)
EIRP	2.4 GHz: 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC) 5.8 GHz: 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC)
Battery	6000mAh 2S LiPo
Output Power	9 W (Not supply power for mobile device)
USB Supply Power	iOS: 1 A @ 5.2 V (Max); Android: 1.5 A @ 5.2 V (Max)
Operating Temperature	14° to 104° F (-10° to 40° C)
Charger (Mode: IN2C180)	
Voltage	26.1 V
Rated Power	180 W
Intelligent Flight Battery (Mode: TB50-4280mAh-22.8V)	
Capacity	4280 mAh
Voltage	22.8 V



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Battery Type	LiPo 6S
Energy	97.58 Wh
Net Weight	515 g
Charging Temperature	41° to 104° F (5° to 40° C)
Operating Temperature	14° to 104° F (-10° to 40° C)
Max Charging Power	180 W
Charging Hub (Mode: IN2CH)	
Input Voltage	26.1 V
Input Current	6.9 A

ZENMUSE X5S

General	
Name	Zenmuse X5S
Dimensions	140×98×132mm
Weight	461 g
Gimbal	
Angular Vibration Range	±0.01°
Mount	Detachable
Controllable Range	Tilt: +30°to -90°, Pan: ±320°
Tilt: +30°to -90°, Pan: ±320°	Tilt: +50°to -140°, Pan: ±330°, Roll: +90° to +30°
Max Controllable Speed	Tilt: 90°/s, Pan: 90°/s
相机参数	
Supported Lens*	DJI MFT 15mm/1.7 ASPH (With Balancing Ring and Lens Hood) Panasonic Lumix 15mm/1.7 (With Balancing Ring and Lens Hood) Panasonic Lumix 20mm/1.7 Panasonic Lumix 14-42mm/3.5-5.6 HD Olympus M.Zuiko 12mm/2.0 (With Balancing Ring) Olympus M.Zuiko 17mm/1.8 (With Balancing Ring) Olympus M.Zuiko 25mm/1.8 Olympus M.Zuiko 45mm/1.8 Olympus M.Zuiko 14-42mm/3.5-5.6 Ez (With Balancing Ring) Olympus M.Zuiko 9-18mm/4.0-5.6
Sensor	CMOS, 4/3" Effective Pixels: 20.8MP
FOV	72°(with DJI MFT 15mm/1.7 ASPH)
Photo Resolutions	4:3, 5280×3956 16:9, 5280×2970



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Video Resolutions	<p>H.264 C4K : 4096×2160 23.976/24/25/29.97/47.95/50/59.94p @100Mbps 4K : 3840×2160 23.976/24/25/29.97/47.95/50/59.94p @100Mbps 2.7K: 2720×1530 23.976/24/25/29.97p @80Mbps 47.95/50/59.94p @100Mbps FHD: 1920×1080 23.976/24/25/29.97p @60Mbps 47.95/50/59.94p @80Mbps 119.88p @100Mbps</p> <p>H.265 C4K : 4096×2160 23.976/24/25/29.97p @100Mbps 4K : 3840×2160 23.976/24/25/29.97p @100Mbps 2.7K: 2720×1530 23.976/24/25/29.97p @65Mbps 47.95/50/59.94p @80Mbps FHD: 1920×1080 23.976/24/25/29.97p @50Mbps 47.95/50/59.94p @65Mbps 119.88p @100Mbps</p>
Photo Formats	DNG, JPEG, DNG+JPEG
Video Formats	RAW, ProRes, MOV, MP4
Operation Modes	Capture, Record, Playback
Still Photography Modes	Single shot, Burst shooting: 3/5/7/10/14 frames, Auto Exposure Bracketing, 3/5 bracketed frames at 0.7EV bias, Timelapse
Exposure Mode	Auto, Manual, Shutter, Aperture
Exposure Compensation	±3.0 (1/3 increments)
±3.0 (1/3 increments)	Center-weighted metering, Spot metering (area option 12x8)
AE Lock	Supported
Electronic Shutter Speed	8-1/8000s
White Balance	Auto, Sunny, Cloudy, Incandescent, Neon Custom (2000K–10000K)
ISO Range	100 – 6400 (Video) 100 – 25600 (Stills)
Video Captions	Supported
Anti-Flicker	Auto, 50Hz, 60Hz
PAL/NTSC	Supported
Environmental	
Operating Temperature	14°–104°F (-10 to 40°C)
Storage Temperature	14°–140°F (-10 to 60°C)

*Refer to User Manual for more information.

ZENMUSE X4S

General	
Name	Zenmuse X4S
Dimensions	125×100×80 mm
Weight	253 g
Weight	



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Angular Vibration Range	±0.01°
Mount	Detachable
Controllable Range	Tilt: +30° to -90°, Pan: ±320°
Mechanical Range	Tilt: +50° to -140°, Pan: ±330°, Roll: +90° to -50°
Max Controllable Angular Speed	Tilt: 90°/s, Pan: 90°/s
Tilt: 90°/s, Pan: 90°/s	
Sensors	CMOS, 1" Effective Pixels: 20 MP
Lens	F/2.8-11, 8.8mm (35 mm Equivalent: 24mm)
FOV	84°
Photo Resolutions	3:2, 5472×3648 4:3, 4864×3648 16:9, 5472×3078
Video Resolutions	H.264 C4K : 4096×2160 23.976/24/25/29.97/47.95/50/59.94p @100Mbps 4K : 3840×2160 23.976/24/25/29.97/47.95/50/59.94p @100Mbps 2.7K: 2720×1530 23.976/24/25/29.97p @80Mbps 47.95/50/59.94p @100Mbps FHD: 1920×1080 23.976/24/25/29.97p @60Mbps 47.95/50/59.94p @80Mbps HD : 1280×720 23.976/24/25/29.97p @30Mbps 47.95/50/59.94p @45Mbps H.265 C4K : 4096×2160 23.976/24/25/29.97p @100Mbps 4K : 3840×2160 23.976/24/25/29.97p @100Mbps 2.7K: 2720×1530 23.976/24/25/29.97p @65Mbps 47.95/50/59.94p @80Mbps FHD: 1920×1080 23.976/24/25/29.97p @50Mbps 47.95/50/59.94p @65Mbps HD : 1280×720 23.976/24/25/29.97p @25Mbps
Photo Formats	DNG, JPEG, DNG+JPEG
Video Formats	MOV, MP4
Operation Modes	Capture, Record, Playback
Still Photography Modes	Single shot, Burst shooting: 3/5/7/10/14 frames, Auto Exposure Bracketing, 3/5 bracketed frames at 0.7EV bias, Interval
Exposure Mode	Auto, Manual, Shutter Priority, Aperture Priority
Exposure Compensation	±3.0 (1/3 increments)
Metering Mode	Center-weighted metering, Spot metering (area option 12×8)
AE Lock	Supported
Shutter Speed	Mechanical Shutter: 8 – 1/2000s Electronic Shutter: 1/2000 – 1/8000s
White Balance	Auto, Sunny, Cloudy, Incandescent, Neon, Custom (2000K – 10000K)
ISO Range	100 – 6400 (Video) 100 – 12800 (Stills)



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Video Captions	Supported
Anti-Flicker	Auto, 50Hz, 60Hz
PAL/NTSC	Supported
Environmental	
Operating Temperature	14° – 104°F (-10 to 40°C)
Storage Temperature	14° – 140° F (-10 to 60°C)