

INSPIRE 1 SPECS

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AIRCRAFT

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|---------------------------------------|---|
| Model | T600 |
| Weight | 6.27 lbs (2845 g, including propellers and battery, without gimbal and camera) 6.74 lbs (3060 g, including propellers, battery and Zenmuse X3) |
| GPS Hovering Accuracy | Vertical: ±1.64 feet (0.5 m) Horizontal: ±8.20 feet (2.5 m) |
| Max Angular Velocity | Pitch: 300°/s Yaw: 150°/s |
| Max Tilt Angle | 35° |
| Max Ascent Speed | 16.4 ft/s (5 m/s) |
| Max Descent Speed | 13.1 ft/s (4 m/s) |
| Max Speed | 49 mph or 79 kph (ATTI mode, no wind) |
| Max Takeoff Sea Level | 1.55 mi (2500 m) 2.8 mi (4500 m with specially-designed propeller) |
| Max Wind Speed Resistance | 10 m/s |
| Max Flight Time | Approx. 18 min |
| Motor Model | DJI 3510H |
| Propeller Model | DJI 1345T |
| Indoor Hovering | Enabled by default |
| Operating Temperature | 14° to 104° F (-10° to 40° C) |
| Diagonal Distance(propeller excluded) | 22.8 inch (581 mm, Landing Mode) |
| Max Takeoff Weight | 7.71 lbs(3500 g) |

REMOTE CONTROLLER

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| Model | GL658A |
| Operating Frequency | 922.7-927.7 MHz (Japan Only) 5.725-5.825 GHz 2.400-2.483 GHz |
| Max Transmitting Distance(unobstructed, free of interference) | Up to 5 km or 3.1 miles when FCC compliant Up to 3.5 km or 2.1 miles when CE compliant Up to 2 km or 1.2 miles when MIC compliant |
| EIRP | 10dBm@900m, 13dBm@5.8G, 20dBm@2.4G |
| Video Output Ports | USB, mini-HDMI |
| Power Supply | Built-in battery |
| Charging | DJI charger |
| Dual User Capability | Host-and-Slave connection |
| Mobile Device Holder | Tablet or Smart Phone |
| Max Mobile Device Width | 170mm |
| Output Power | 9 W |
| Operating Temperature | 14° to 104° F (-10° to 40° 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) |
| Charging Temperature | 32° to 104° F (0° to 40° C) |
| Battery | 6000mAh 2S LiPo |

CHARGER

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| Model | A14-100P1A |
| Voltage | 26.3V |
| Rated Power | 100W |

BATTERY (OPTIONAL)

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|-----------------------------|--|
| Name | Intelligent Flight Battery |
| Model | TB48 |
| Capacity | 5700mAh |
| Voltage | 22.8V |
| Battery Type | LiPo 6S |
| Energy | 129.96Wh |
| Net Weight | 670g |
| Operating Temperature Range | 14° to 104° F (-10° to 40° C) |
| Storage Temperature Range | Less than 3 months: -4° to 113° F (-20° to 45° C) More than 3 months: 72° to 82° F (22° to 28° C) |
| Charging Temperature Range | 32° to 104° F (0° to 40° C) |
| Max Charging Power | 180W |

APP

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|-----------------------------------|---|
| Name | DJI GO |
| Mobile Device System Requirements | iOS 8.0 or later, Android 4.1.2 or later |
| Supported Mobile Devices | iOS: iPhone 5s, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPod touch 6, iPad Pro, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4, and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7 and iPhone 7 Plus. Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei Mate 8, Nubia Z7 mini, SONY Xperia Z3, MI 3, MI PAD. *Support for additional devices available as testing and development continues. |

GIMBAL

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| Model | ZENMUSEX3 ZENMUSEX5(optional) ZENMUSEX5R(optional) ZENMUSEXT(optional) ZENMUSEZ3(optional) |
| Angular Vibration Range | ±0.03° |
| Interface Type | Detachable |
| Controllable Range | Pitch: -90° to +30° Pan: ±320° |
| Mechanical Range | Pitch: -125° to +45° Pan: ±330° |
| Max Controllable Speed | Pitch: 120°/s Pan: 180°/s |

CAMERA

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| Name | X3 |
| Model | FC350 |
| Total Pixels | 12.76M |
| Effective Pixels | 12.4M |
| Image Max Size | 4000x3000 |
| ISO Range | 100-3200 (video) 100-1600 (photo) |
| Electronic Shutter Speed | 8s 1/8000s |

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| FOV (Field of View) | 94° |
| CMOS | 1/2.3" CMOS |
| Lens | 20mm (35mm format equivalent)/f/2.8 focus at ∞ 9 Elements in 9 groups Anti-distortion |
| Still Photography Modes | Single shoot Burst shooting: 3/5/7 frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias Time-lapse |
| Video Recording Modes | UHD (4K): 4096x2160p24/25, 3840x2160p24/25/30 FHD: 1920x1080p24/25/30/48/50/60 HD: 1280x720p24/25/30/48/50/60 |
| Max Bitrate of Video Storage | 60 Mbps |
| Supported File Formats | FAT32/exFAT Photo: JPEG, DNG Video: MP4/MOV (MPEG-4 AVC/H.264) |
| Supported SD Card Types | Micro SD Max capacity: 64 GB. Class 10 or UHS-1 rating required. |
| Operating Temperature Range | 0° to 40° C |

BATTERY (STANDARD)

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| Name | Intelligent Flight Battery |
| Model | TB47 |
| Capacity | 4500 mAh |
| Voltage | 22.2 V |
| Battery Type | LiPo 6S |
| Energy | 99.9 Wh |
| Net Weight | 570 g |
| Operating Temperature | 14° to 104° F (-10° to 40° 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) |
| Charging Temperature | 32° to 104° F (0° to 40° C) |
| Max Charging Power | 180 W |

DOWNWARD VISION SYSTEM

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|---|--|
| Velocity Range | <26.2 ft/s (8 m/s) at height of 6.56 feet (2 m) |
| Altitude Range | 5-500 cm |
| Operating Environment | Surfaces with clear patterns and adequate lighting (> 15 lux) |
| Operating Range | <9.8 feet (3 m) |
| Ultrasonic Sensor Operating Range | 0.17-16.4 feet (5-500 cm) |
| Ultrasonic Sensor Operating Environment | Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance) |

The Inspire 1 has been certified by Apple in their Works with iMovie and Works with Final Cut Pro X programs, so you can edit 4K without worry whether you are a professional or shooting for fun.