## Aircraft

### Structure

|  |  |
| --- | --- |
| Diagonal Wheelbase | 1133 mm |
| Aircraft Dimensions | * 1668 mm x 1518 mm x 759 mm (Propellers, frame arms and GPS mount unfolded)
* 640 mm x 582 mm x 623 mm (Frame arms and GPS mount folded)
 |
| Package Dimensions | 620 mm x 320 mm x 505 mm |
| Intelligent Flight Battery Quantity | 6 |
| Weight (with six TB47S batteries) | 9.1 kg |
| Weight (with six TB48S batteries) | 9.6 kg |
| Max Takeoff Weight | 15.1 kg |

### Propulsion System

|  |  |
| --- | --- |
| Motor Model | DJI 6010 |
| Propeller Model | DJI 2170 |

### Other

|  |  |
| --- | --- |
| Supported DJI Gimbals | Zenmuse X3; Zenmuse X5 series; Zenmuse XT; Ronin-MX; Zenmuse Z15 series HD gimbals: Z15-A7, Z15-BMPCC, Z15-5D III, Z15-GH4 |
| Retractable Landing Gear | Standard |
| Operating Temperature | 14° to 104° F (-10° to 40° C) |

### Charger

|  |  |
| --- | --- |
| Model | A14-100P1A |
| Voltage Output | 26.3 V |
| Power Rating | 100 W |

### Battery (Optional)

|  |  |
| --- | --- |
| Model | TB48S |
| Capacity | 5700 mAh |
| Voltage | 22.8 V |
| Type | LiPo 6S |
| Energy | 129.96 Wh |
| Net Weight | 680 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)
 |
| Charge Temperature | 41° to 104° F (5° to 40° C) |
| Max Charging Power | 180 W |

### Performance

|  |  |
| --- | --- |
| Hovering Accuracy (P-Mode, with GPS) | Vertical: ±0.5 m, Horizontal: ±1.5 m |
| Max Angular Velocity | Pitch: 300°/s, Yaw: 150°/s |
| Max Pitch Angle | 25° |
| Max Speed of Ascent | 5 m/s |
| Max Speed of Descent | 3 m/s |
| Max Wind Resistance | 8 m/s |
| Max Flight Altitude above Sea Level | 2500 m |
| Max Speed | 18 m/s (No wind) |
| Hovering Time (with six TB47S batteries)\* | No payload: 35 min, 6 kg payload: 16 min |
| Hovering Time (with six TB48S batteries)\* | No payload: 40 min, 5.5 kg payload: 18 min\* The hovering time is based on flying at 10 m above sea level in a no-wind environment and landing with 10% battery level. |

### Flight Control System

|  |  |
| --- | --- |
| Model | A3 |

### Remote Controller

|  |  |
| --- | --- |
| Operating Frequency | * 920.6 MHz to 928 MHz (Japan)
* 5.725 GHz to 5.825 GHz
* 2.400 GHz to 2.483 GHz
 |
| Max Transmission Distance (unobstructed, free of interference) | * FCC Compliant: 3.1 miles (5 km)
* CE Compliant: 2.1 miles (3.5 km)
 |
| EIRP | * 10 dBm @ 900 M/li>
* 13 dBm @ 5.8 G
* 20 dBm @ 2.4 G
 |
| Video Output Port | HDMI, SDI, USB |
| Dual Users Capability | Master-and-Slave control |
| Mobile Device Holder | Supports smartphones and tablets |
| 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)
 |
| Charge Temperature | 32° to 104° F (0° to 40° C) |
| Built-in Battery | 6000 mAh, 2S LiPo |
| Max Tablet Width | 170 mm |

### Battery (Standard)

|  |  |
| --- | --- |
| Model | TB47S |
| Capacity | 4500 mAh |
| Voltage | 22.2 V |
| Type | LiPo 6S |
| Energy | 99.9 Wh |
| Net Weight | 595 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)
 |
| Charge Temperature | 41° to 104° F (5° to 40° C) |
| Max Charging Power | 180 W |