



Specs

Aircraft

- Dimensions

- Unfolded, propellers excluded, 810×670×430 mm (L×W×H)

Folded, propellers included, 430×420×430 mm (L×W×H)

- **Diagonal Wheelbase**

- 895 mm

- **Weight (with single downward gimbal)**

- Approx. 3.6 kg (without batteries)

Approx. 6.3 kg (with two TB60 batteries)

- **Max Payload**

- 2.7 kg

- **Max Takeoff Weight**

- 9 kg

- **Operating Frequency**

- 2.4000-2.4835 GHz

5.725-5.850 GHz

- **EIRP**

- 2.4000-2.4835 GHz:

29.5 dBm (FCC); 18.5dBm (CE)

18.5 dBm (SRRC); 18.5dBm (MIC)

5.725-5.850 GHz:

28.5 dBm (FCC); 12.5dBm (CE)

28.5 dBm (SRRC)

- **Hovering Accuracy (P-mode with GPS)**

- Vertical:

- ±0.1 m (Vision System enabled)

- ±0.5 m (GPS enabled)

- ±0.1 m (RTK enabled)

- Horizontal:

- ±0.3 m (Vision System enabled)

- ±1.5 m (GPS enabled)

- ±0.1 m (RTK enabled)

- **RTK Positioning Accuracy**

- When RTK enabled and fixed:

- 1 cm+1 ppm (Horizontal)

- 1.5 cm + 1 ppm (Vertical)

- **Max Angular Velocity**

- Pitch: 300°/s, Yaw: 100°/s

- **Max Pitch Angle**

- 30° (P-mode, Forward Vision System enabled: 25°)

- **Max Ascent Speed**

- S mode: 6 m/s

- P mode: 5 m/s

- **Max Descent Speed (vertical)**

- S mode: 5 m/s

P mode: 4 m/s

- **Max Descent Speed (tilt)**

- S Mode: 7 m/s

- **Max Speed**

- S mode: 23 m/s

P mode: 17 m/s

- **Service Ceiling Above Sea Level**

- 5000 m (with 2110 propellers, takeoff weight \leq 7 kg) / 7000 m (with 2195 propellers, takeoff weight \leq 7 kg)

- **Max Wind Resistance**

- 15 m/s

- **Max Flight Time**

- 55 min

- **Supported DJI Gimbals**

- Zenmuse XT2/XT S/Z30/H20/H20T/DJI P1/DJI L1

- **Supported Gimbal Configurations**

- Single Downward Gimbal, Dual Downward Gimbals, Single Upward Gimbal, Upward and Downward Gimbals, Triple Gimbals

- **Ingress Protection Rating**

- IP45

- **GNSS**

- GPS+GLONASS+BeiDou+Galileo

- **Operating Temperature**
 - -20°C to 50°C (-4°F to 122° F)

Remote Controller

- **Operating Frequency**
 - 2.4000-2.4835 GHz
 - 5.725-5.850 GHz
- **Max Transmitting Distance (unobstructed, free of interference)**
 - NCC/FCC: 15 km
 - CE/MIC: 8 km
 - SRRC: 8 km
- **EIRP**
 - 2.4000-2.4835 GHz:
 - 29.5 dBm (FCC) 18.5dBm (CE)
 - 18.5 dBm (SRRC); 18.5dBm (MIC)
 - 5.725-5.850 GHz:
 - 28.5 dBm (FCC); 12.5dBm (CE)
 - 20.5 dBm (SRRC)
- **External battery**

- Name: WB37 Intelligent Battery

Capacity: 4920 mAh

Voltage: 7.6V

Type: LiPo

Energy: 37.39Wh

Charging time (using BS60 Intelligent Battery Station): 70 minutes (15°C to 45°C); 130 minutes (0°C to 15°C)

- **Built-in battery**

- Type: 18650 lithium ion battery (5000 mAh @ 7.2 V)

Charging: Use a USB charger with specification of 12V / 2A

Rated power: 17 W

Charging time: 2 hours and 15 minutes (Using a USB charger with specification of 12V / 2A)

- **Battery Life**

- Built-in battery: Approx. 2.5h

Built-in battery+External battery: Approx. 4.5h

- **USB Power Supply**

- 5 V / 1.5 A

- **Operating Temperature**

- -20°C to 40°C (-4 °F to 104 °F)

Vision System

- **Obstacle Sensing Range**
 - Forward/Backward/Left/Right: 0.7-40m
 - Upward/Downward: 0.6-30m
- **FOV**
 - Forward/Backward/Downward: 65° (H), 50° (V)
 - Left/Right/Upward: 75°(H), 60°(V)
- **Operating Environment**
 - Surfaces with clear patterns and adequate lighting (> 15 lux)

Infrared ToF Sensing System

- **Obstacle Sensing Range**
 - 0.1-8m
- **FOV**
 - 30° ($\pm 15^\circ$)
- **Operating Environment**
 - Large, diffuse and reflective obstacles (reflectivity >10%)

Top and bottom auxiliary light

- **Effective lighting distance**
 - 5 m

FPV Camera

- **Resolution**
 - 960p
- **FOV**
 - 145°
- **Frame rate**
 - 30 fps

Intelligent Flight Battery

- **Name**
 - TB60
- **Capacity**
 - 5935 mAh
- **Voltage**
 - 52.8 V

- **Battery Type**

- LiPo 12S

- **Energy**

- 274 Wh

- **Net Weight**

- Approx. 1.35 kg

- **Operating Temperature**

- -4°F to 122°F (-20°C to 50°C)

- **Ideal storage temperature**

- 71.6°F to 86°F (22°C to 30°C)

- **Charging Temperature**

- -4°F to 104°F (-20°C to 40°C)

(When the temperature is lower than 5°C, the self-heating function will be automatically enabled. Charging in a low temperature may shorten the lifetime of the battery)

- **Charging time**

- Using BS60 Intelligent Battery Station:

220V input: 60 minutes (fully charging two TB60 batteries), 30 minutes (charging two TB60 batteries from 20% to 90%)

110V input: 70 minutes (fully charging two TB60 batteries), 40 minutes (charging two TB60 batteries from 20% to 90%)

BS60 Intelligent Battery Station

- **Dimensions**

- 501*403*252mm

- **Net Weight**

- 8.37kg

- **Maximum Capacity**

- TB60 Intelligent Flight Battery × 8
WB37 Intelligent Battery × 4

- **Input**

- 100-120 VAC, 50-60 Hz / 220-240 VAC, 50-60 Hz

- **Max. Input Power**

- 1070W

- **Output Power**

- 100-120 V: 750 W
220-240 V: 992 W

- **Operating Temperature**

- -4°F to 104°F (-20°C to 40°C)