

## DJI Spreading Wings S900 Hexacopter with A2 Flight Control System



Rating: 3.0

**Price:**

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 1,075.00

Discount:



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Manufacturer: [Dji](#)

Description

### Product Highlights

- Compatible with Zenmuse Z15 Gimbal
- Collapsible Frame and Folding Props
- Up to 18 Pound Total Take-Off Weight
- Low Gimbal Mounting with Dampening
- Retractable Landing Gear
- DJI A2 Flight Control System
- Supports Futaba FASST / DJI DESST Radios
- Up 18 Minutes Flying at 12,000mAh

- **DJI Spreading Wings S900 Hexacopter**

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| Frame                            |                                                             |
| Diagonal Wheelbase               | 35.4" / 900 mm                                              |
| Frame Arm Length                 | 14.1 / 358 mm                                               |
| Frame Arm Weight                 | Including Motor, ESC, and Propellers: 11.1 oz / 316 g       |
| Center Frame Diameter            | 10.7" / 272 mm                                              |
| Center Frame Weight              | With Landing Gear Mounting Base and Servos: 2.6 lb / 1.2 kg |
| Landing Gear Dimensions          | 18.1 x 17.7 x 14.2 / 460 x 450 x 360 mm                     |
| Motor                            |                                                             |
| Stator Size                      | 1.6 x 0.6" / 41 x 14 mm                                     |
| Motor Velocity Constant          | KV: 400 rpm/V                                               |
| Maximum Power Consumption        | 500 W                                                       |
| Weight                           | With Cooling Fan: 5.6 oz / 158 g                            |
| Electronic Speed Control (ESC)   |                                                             |
| Working Current                  | 40 A                                                        |
| Working Voltage                  | 6S LiPo                                                     |
| Signal Frequency                 | 30 to 450 Hz                                                |
| Drive PWM Frequency              | 8 kHz                                                       |
| Weight                           | With Cooling Fan: 1.2 oz / 35 g                             |
| Propeller                        |                                                             |
| Type                             | Folding                                                     |
| Material                         | Plastic                                                     |
| Size                             | 15 x 5.2" / 381 x 132 mm                                    |
| Weight                           | 0.5 oz / 13 g                                               |
| Flight Parameters                |                                                             |
| Supported Flight Control Systems | DJI A2 and WooKong-M                                        |
| Take-Off Weight                  | 10.4 to 18.1 lb / 4.7 to 8.2 Kg                             |
| Total Weight                     | 7.3 lb / 3.3 Kg                                             |
| Battery Requirements             | LiPo: 6S, 10000 to 15000 mAh, 15C (minimum)                 |
| Maximum Power Consumption        | 3000 W                                                      |
| Hover Power Consumption          | 1000 W at 15 lb / 6.8 Kg takeoff weight                     |
| Hover Time                       | 18 minutes at 12000 mAh and 15 lb / 6.8 Kg takeoff weight   |
| Operating Temperature            | 14 to 104°F/ -10 to 40°C                                    |
| Packaging Info                   |                                                             |
| Box Dimensions (LxWxH)           | 19.8 x 15.7 x 12.7"                                         |

## • DJI A2 Flight Control System for Multi-Rotor Aircraft

|                              |                                                                                                                                                                                                                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported ESC Output         | 400 Hz refresh frequency                                                                                                                                                                                                                                                                    |
| Supported Transmitters       | With Built-in Receiver: Futaba FASST series and DJI DESST series                                                                                                                                                                                                                            |
| Supported External Receivers | Futaba S-Bus, S-Bus2, DSM2                                                                                                                                                                                                                                                                  |
| Other DJI Products Supported | Z15, H3-2D, iOSD, 2.4G Bluetooth Data Link, and S800 EVO                                                                                                                                                                                                                                    |
| Hovering Accuracy (GPS Mode) | Vertical: ±1.6' / 0.5 m<br>Horizontal: ±4.9' / 1.5 m                                                                                                                                                                                                                                        |
| Maximum Wind Resistance      | < 26.2 fps (8 m/s) / 17.9 mph (28.8 km/h)                                                                                                                                                                                                                                                   |
| Maximum Yaw Angular Velocity | 150 deg/s                                                                                                                                                                                                                                                                                   |
| Maximum Tilt Angle           | 35°                                                                                                                                                                                                                                                                                         |
| Ascent/Descent               | ±19.7 fps / 6 m/s                                                                                                                                                                                                                                                                           |
| Power Requirements           | Maximum: 5 W<br>Typical: 0.3 A at 12.5 V                                                                                                                                                                                                                                                    |
| System Requirements          | Assistant Software: Windows 8, 7, or XP SP3 -- 32 or 64-bit                                                                                                                                                                                                                                 |
| Operating Temperature        | 23 to 140°F / -5 to 60°C                                                                                                                                                                                                                                                                    |
| Dimensions                   | Flight Controller: 2.1 x 1.5 x 0.6" / 54 x 39 x 14.9 mm<br>IMU: 1.6 x 1.2 x 1" / 41.3 x 30.5 x 26.3 mm<br>GPS-Compass Pro: 2.4" (diameter) x 0.6" / 62 mm (diameter) x 14.3 mm<br>LED-BTU-I: 1.2 x 1.2 x 0.3" / 30 x 30 x 7.9 mm<br>PMU: 39.5mm x 27.6mm x 9.8mm<br>Overall: 7.9 oz / 224 g |
| Weight                       |                                                                                                                                                                                                                                                                                             |
| Packaging Info               |                                                                                                                                                                                                                                                                                             |
| Box Dimensions (LxWxH)       | 6.9 x 4.7 x 2.7"                                                                                                                                                                                                                                                                            |

