

DJI Spreading Wings S900 with Zenmuse Z15-N7 Gimbal (A2 Flight Controller)



Rating: 4.0

Price:

Variant price modifier:

Price with discount:

Salesprice with discount:

USD 1,900.00

Discount:



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Manufacturer: [Dji](#)

Description

Product Highlights

- Zenmuse Z15 Gimbal for NEX-7
- Gimbal Provides 360° Camera Rotation
- 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
- Compatible with Lightbridge System
- 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 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 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 IMU: 1.6 x 1.2 x 1" / 41.3 x 30.5 x 26.3 mm GPS-Compass Pro: 2.4" (diameter) x 0.6" / 62 mm (diameter) x 14.3 mm

Weight	LED-BTU-I: 1.2 x 1.2 x 0.3" / 30 x 30 x 7.9 mm
Packaging Info	PMU: 39.5mm x 27.6mm x 9.8mm
Box Dimensions (LxWxH)	Overall: 7.9 oz / 224 g
	6.9 x 4.7 x 2.7"

• **DJI Zenmuse Z15-N7 3-Axis Gimbal for Sony NEX-7**

Peripheral	Sony NEX-7
Supported Camera	Sony SEL16F28 16mm f/2.8
Supported Lens	At least 4 spare receiver channels
Control Requirements	S-Bus/PPM receiver supported
Software Requirements	For Assistant Software: Windows 8, 7, XP SP3 -- 32 or 64-bit
Electrical Characteristics	
Working Current	Static Current: 200 mA at 25 V
	Dynamic Current: 400 mA at 25 V
	Locked-Rotor Current: 4 A at 25 V
	10 A at 12 V
GCU BEC Output	GCU Wireless Video Transmission: 1 A at 12 V
Transmit Power	
Performance	
Load Weight (Reference Value)	Not specified by manufacturer
Controlled Angle Accuracy	±0.01°
Maximum Controlled Rotation Speed	Pan Axis: ±130°/s
	Tilt Axis: ±130°/s
	Roll Axis ±30°/s
Controlled Rotation Range	Pan Axis Control: ±360° continuous rotation
	Tilt Axis Control: ±360° continuous rotation
	Roll Axis Control: ±40° (±360° mechanical continuous rotation)
General	
Power Requirements	GCU: 4S to 12 S LiPo (6S if using S800, S1000+)
Operating Temperature	14 to 122°F (-10 to 50°C)
Dimensions	Gimbal: 8.7 x 8.7 x 7.5" (220 x 220 x 190 mm)
	Camera Frame Dimensions: 5.6 x 3" (142 x 76 mm)
	GCU: 2.5 x 1.4 x 0.8" (64.2 x 34.1 x 19.5 mm)
Weight	Gimbal: 2.9 lb (1.3 kg)
	GCU: 2.2 oz (63 g)
Packaging Info	
Box Dimensions (LxWxH)	13.6 x 10.7 x 9.0"