

# Specifications

Aircraft	
Model	M210/M210 RTK
Dimensions	M210: Unfolded, 887×880×378 mm Folded, 716×220×236 mm M210 RTK: Unfolded, 887×880×408 mm Folded, 716×242×236 mm
Diagonal Wheelbase	643 mm
Max Takeoff Weight	6.14 kg
Max Payload	M210: 2.3 kg (with TB50-M200 batteries) 1.57 kg (with TB55 batteries) M210 RTK: 1.87 kg (with TB50-M200 batteries) 1.14 kg (with TB55 batteries)
Hovering Accuracy (P-mode with GPS)	Vertical: ±1.64 feet (0.5 m) or ±0.33 feet (0.1 m, Downward Vision System enabled) Horizontal: ±4.92 feet (1.5 m) or ±0.98 feet (0.3 m, Downward Vision System enabled)
Max Angular Velocity	Pitch: 300°/s, Yaw: 150°/s
Max Pitch Angle	P-mode: 25° (Forward Vision System enabled: 25°) S-mode: 30°, A-mode: 25°
Max Ascent Speed	16.4 ft/s (5 m/s)
Max Descent Speed (Vertical)	9.8 ft/s (3 m/s)
Max Speed	S-mode: 64.8 kph (40.3 mph) P-mode/A-mode: 57.6 kph (35.8 mph)
Max Service Ceiling Above Sea Level	9842 feet (3000 m, with 1760S propellers)
Max Wind Resistance	39.36 ft/s (12 m/s)
Max Flight Time (with standard batteries)	M210: 27 min (no payload) 13 min (takeoff weight: 6.14 kg) M210 RTK: 23 min (no payload) 13 min (takeoff weight: 6.14 kg)
Max Flight Time (with optional batteries)	M210: 38 (no payload), 24 min (takeoff weight: 6.14 kg) M210 RTK: 32 (no payload), 24 min (takeoff weight: 6.14 kg)
Motor Model	DJI 3515
Propeller Model	1760S
Supported DJI Gimbals	Zenmuse X4S/X5S/XT/Z30/XT 2
Supported Gimbal Mounting	Single Downward Gimbal, Dual Downward Gimbals, Single Upward Gimbal
Waterproof Level	IP43
GNSS	GPS+GLONASS
Operating Temperature	-4° to 113° F (-20° to 45° C)

<b>Gimbal</b>	
Angular Vibration Range	±0.01°
Controllable Range	Pitch: -130° to +40°; Roll: ±20°; Pan: ±320°
Max Controllable Speed	Pitch: 180°/s; Roll:180°/s; Pan:270°/s
Interface Type	DGC2.0
Mechanical Range	Pitch: -140° to +50°; Roll: -50° to +90°; Pan: ±330°
<b>Remote Controller</b>	
Model	GL800A
Operating Frequency	2.400-2.483 GHz; 5.725-5.825 GHz
Max Transmitting Distance	2.4 GHz: 4.3 miles (7 km, FCC); 2.2 miles (3.5 km, CE); 2.5 miles (4 km, SRRC) 5.8 GHz: 4.3 miles (7 km, FCC); 1.2 miles (2 km, CE); 3.1 miles (5 km, SRRC)
EIRP	2.4 GHz: 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC) 5.8 GHz: 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC)
Video Output Ports	USB, HDMI, SDI
Power Supply	Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)
Charging	DJI charger or DJI charging hub
Dual User Capability	Host-and-Slave connection
Output Power	12 W (without supplying power to a monitor)
Operating Temperature	-4° to 104° F (-20° 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)
DJI CrystalSky	DJI CrystalSky 7.85inch, Resolution: 2048×1536; Brightness: 1000 cd/m2; Operating System: Android 5.1; Storage: ROM 64GB
USB Supply Power	iOS: 1 A = 5.2 V (Max); Android: 1.5 A = 5.2 V (Max)
<b>Downward Vision System</b>	
Velocity Range	<32.8 ft/s (10 m/s) at height of 6.56 feet (2 m)
Altitude Range	<32.8 feet (10 m)
Operating Range	<32.8 feet (10 m)
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Ultrasonic Sensor Operating Range	0.33-16.4 feet (10-500 cm)
Ultrasonic Sensor Operating Environment	Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)
<b>Forward Vision System</b>	
Obstacle Sensing Range	2.3-98.4 feet (0.7-30 m)
FOV	Horizontal: 60°; Vertical: 54°
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)

## Upward Infrared Sensing System

Obstacle Sensing Range	0-16.4 feet (0-5 m)
FOV	±5°
Operating Environment	Large, diffuse and reflective obstacles (reflectivity >10%)

## Charger

Model	IN2C180
Voltage	26.1 V
Rated Power	180 W

## Battery (TB50-M200)

Name	Intelligent Flight Battery
Model	TB50-4280mAh-22.8V
Capacity	4280 mAh
Voltage	22.8 V
Battery Type	6S LiPo
Energy	97.58 Wh
Net Weight	515 g
Operating Temperature	-4° to 104° F (-20° 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	41° to 104° F (5° to 40° C)
Max Charging Power	180 W

## Charging Hub (Model: IN2CH)

Input Voltage	26.1 V
Input Current	6.9 A

## Battery (TB55)

Name	Intelligent Flight Battery
Model	TB55-7660 mAh-22.8V
Capacity	7660 mAh
Voltage	22.8 V
Battery Type	6S LiPo
Energy	174.6 Wh
Net Weight	885 g
Operating Temperature	-4° to 104° F (-20° 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	41° to 104° F (5° to 40° C)
Max Charging Power	180 W