

MATRICE 200 SERIES



MATRICE 200

FPV カメラ
デュアルバッテリーシステム
FlightAutonomy
下方ジンバル



MATRICE 210

FPV カメラ
デュアルバッテリーシステム
FlightAutonomy
上方・下方・デュアル下方ジンバル
汎用ポート



MATRICE 210 RTK

FPV カメラ
デュアルバッテリーシステム
FlightAutonomy
上方・下方・デュアル下方ジンバル
汎用ポート
内蔵型 RTK

耐候性・防水性、そして汎用性 効率的データ収集が可能な産業用ドローン



ZENMUSE XT



ZENMUSE Z30



ZENMUSE X4S



ZENMUSE X5S



上方ジンバル

橋梁下部点検など機体上部に搭載したカメラでの確認が可能です。



デュアルジンバル

機体下部には2種類のカメラ搭載が可能。目的に応じて搭載パターンの変更ができます。

MATRICE 200 SERIES Specifications

• Aircraft (M210/M210 RTK)	M210: Unfolded, 887×880×378 mm, Folded, 716×220×236 mm
Dimensions	M210 RTK: Unfolded, 887×880×408 mm, Folded, 716×242×236 mm
Weight	M210: Approx. 3.84 kg (with two standard batteries), Approx. 4.57kg (with two optical batteries)
Diagonal Wheelbase	M210 RTK: Approx. 4.27 kg (with two standard batteries), Approx. 5kg (with two optical batteries)
Max Takeoff Weight	643 mm
Max Payload	6.14 kg
Hovering Accuracy (P-mode with GPS)	M210: 2.3 kg (with two standard batteries), 1.57 kg (with two optional batteries)
Hovering Accuracy (D-RTK)	M210 RTK: 1.87 kg (with two standard batteries), 1.14 kg (with two optional batteries)
Max Angular Velocity	Vertical: ±1.64 feet (0.5 m) or ±0.33 feet (0.1 m, Downward Vision System enabled)
Max Pitch Angle	Horizontal: ±4.92 feet (1.5 m) or ±0.98 feet (0.3 m, Downward Vision System enabled)
Max Ascent Speed	Vertical: ±0.33 feet (0.1 m); Horizontal: ±0.33 feet (0.1 m)
Max Descent Speed (vertical)	Pitch: 300° /s, Yaw: 150° /s
Max Speed	P-mode: 25° (Forward Vision System enabled: 25°);
Max Service Ceiling Above Sea Level	S-mode: 30° , A-mode: 25°
Max Wind Resistance	16.4 ft/s (5 m/s)
Max Flight Time (with standard batteries)	9.8 ft/s (3 m/s)
Max Flight Time (with optional batteries)	S-mode: 64.8 kph (40.3 mph); P-mode/A-mode: 57.6 kph (35.8 mph)
Supported DJI Gimbals	9842 feet (3000 m, with 1760S propellers)
Supported Gimbal Configurations	39.36 ft/s (12 m/s)
Ingress Protection Rating	M210: 27 min (no payload), 13 min (takeoff weight: 6.14 kg)
GNSS	M210 RTK: 23 min (no payload), 13 min (takeoff weight: 6.14 kg)
Operating Temperature	M210: 38 (no payload), 24 min (takeoff weight: 6.14 kg)
• Remote Controller	M210 RTK: 32 (no payload), 24 min (takeoff weight: 6.14 kg)
Operating Frequency	Zenmuse X4S/X5S/XT/Z30
Max Transmitting Distance (unobstructed, free of interference)	Single Downward Gimbal, Dual Downward Gimbals, Single Upward Gimbal
EIRP	IP43
Power Supply	GPS+GLONASS
Output Power	-4° to 113° F (-20° to 45° C)
USB Power Supply	2.400-2.483 GHz; 5.725-5.825 GHz
CrystalSky Monitor	2.4 GHz: 4.3 miles (7 km, FCC); 2.2 miles (3.5 km, CE); 2.5 miles (4 km, SRRC)
Operating Temperature	5.8 GHz: 4.3 miles (7 km, FCC); 1.2 miles (2 km, CE); 3.1 miles (5 km, SRRC)
• Downward Vision System	2.4 GHz: 26 dBm (FCC); 17 dBm (CE); 20 dBm (SRRC)
Velocity Range	5.8 GHz: 28 dBm (FCC); 14 dBm (CE); 20 dBm (SRRC)
Altitude Range	Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)
Operating Range	12 W (Without supplying power to monitor)
Operating Environment	iOS: 1A = 5.2V (max); Android: 1.5A = 5.2V (max)
Ultrasonic Sensor Operating Range	DJI CrystalSky 7.85inch, Resolution: 2048×1536;
Ultrasonic Sensor Operating Environment	Brightness: 1000 cd/m2; Operating System: Android 5.1; Storage: ROM 64GB
• Forward Vision System	-4° to 104° F (-20° to 40° C)
Obstacle Sensing Range	<32.8 ft/s (10 m/s) at the height of 6.56 feet (2 m)
FOV	<32.8 feet (10 m)
Operating Environment	<32.8 feet (10 m)
• Upward Infrared Sensing System	Surfaces with clear patterns and adequate lighting (>15 lux)
Obstacle Sensing Range	0.33-16.4 feet (10-500 cm)
FOV	Non-absorbing material, rigid surfaces (thick indoor carpeting will adversely affect performance)
Operating Environment	2.3-98.4 feet (0.7-30 m)
• Intelligent Flight Battery (Standard, Model: TB50-4280mAh-22.8V (TB50-M200); Optional, Model: TB55-7660mAh-22.8V (TB55))	Horizontal: 60° ; Vertical: 54°
Capacity	Surfaces with clear patterns and adequate lighting (> 15 lux)
Voltage	0-16.4 feet (0-5 m)
Battery Type	±5°
Energy	Large, diffuse, and reflective obstacles (reflectivity >10%)
Net Weight (Single One)	4280 mAh (standard), 7660 mAh (optional)
Operating Temperature	22.8 V
Charging Temperature	LiPo 6S
Max Charging Power	97.58 Wh (standard), 176.93 Wh (optional)
• Charger (Model: IN2C180)	Approx. 520 g (standard), Approx. 885 g (optional)
Voltage	-4° to 113° F (-20° to 45° C)
Rated Power	41° to 104° F (5° to 40° C)
• Charging Hub (Model: IN2CH)	180 W
Input Voltage	180 W
Input Current	6.9 A



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