

MATRICE 200 SERIES SPECS

M200

AIRCRAFT

Model	M200
Package Dimensions	31.1×15.4×11.4inch (790×390×290mm)
Dimensions (unfolded)	34.9×34.6×14.9 inch (887×880×378 mm)
Dimensions (folded)	28.2×8.7×9.3 inch (716×220×236 mm)
Folding Method	Folded Inward
Diagonal Wheelbase	25.3 inch (643 mm)
Number of Batteries	2
Weight (TB50)	Approx. 3.80 kg
Weight (TB55)	Approx. 4.53 kg
Max Takeoff Weight	6.14KG
Max Payload (2 TB50)	Approx.2.34kg (with two standard batteries)
Max Payload (2 TB55)	Approx.1.61kg (with two standard batteries)
Hovering Accuracy (P-mode with GPS)	Vertical: ±1.64 feet (0.5m) or ±0.33 feet (0.1m, Downward Vision System enabled) Horizontal: ±4.92 feet (1.5m) or ±0.98 feet (0.3m, Downward Vision System enabled)
Max Angular Velocity	Pitch: 300° /s; Yaw: 150° /s
Max Pitch Angle	P Mode: 30° (Forward Vision System enabled: 25°) ; A Mode: 35° ; S Mode: 35°
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: 51.4mph (82.8kph) P Mode: 38mph (61.2kph) A Mode: 51.4mph (82.8kph)
Max Service Ceiling Above Sea Level	1.86 mi (3000 m)
Max Wind Resistance	39.4 ft/s (12 m/s)
Max Flight Time(No Payload, with TB50)	27min

Max Flight Time(No Payload, with TB55)	38min
Max Flight Time(Full Payload, with TB50)	13min
Max Flight Time(Full Payload, with TB55)	24min
Motor Model	DJI 3515
Propeller Model	1760S
Operating Temperature	-4° to 113° F (-20° to 45° C)
IP Rating	IP43

GIMBAL INSTALLATION

Downward Gimbal Mount	Supported
Upward Gimbal Mount	Not Supported
Downward Dual Gimbal	Not Supported

BATTERY (STANDARD)

Model	TB50
Capacity	4280 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	97.58 Wh
Net Weight	Approx. 520g
Operating Temperature	-4° to 113° F (-20° to 45° 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

CHARGER

Model	IN2C180
Voltage	26.1 V
Rated Power	180 W

FORWARD VISION SYSTEM

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)

DOWNWARD VISION SYSTEM

Velocity Range	<32.8 ft/s (10 m/s) at the 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	0.33-16.4 feet (10-500 cm)
Operating Range	
Ultrasonic Sensor	Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)
Operating Environment	

GIMBAL

Compatible Gimbals	Zenmuse X4S Zenmuse X5S Zenmuse Z30 Zenmuse XT Zenmuse XT2 SLANTRANGE 3PX Sentera AGX710
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REMOTE CONTROLLER

Model	GL6D10A
Operating Frequency	2.400-2.483 GHz 5.725-5.850 GHz
Max Transmitting Distance(unobstructed, free of interference)	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
Power Supply	Built-in battery
Charging	DJI charger

Dual User Capability	Host-and-Slave connection
Mobile Device Holder	Tablet or Smart Phone
Max Mobile Device Width	170 mm
Output Power	9 W (Without supplying power to smart device)
Operating Temperature	-4° to 104° F (-20° to 45° 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)
Battery	6000mAh 2S LiPo
USB Supply Power	iOS: 1 A @ 5.2 V (Max); Android: 1.5 A @ 5.2 V (Max)

BATTERY (OPTIONAL)

Model	TB55
Capacity	7660 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	176.93Wh
Net Weight	Approx. 885g
Operating Temperature	-4° to 113° F (-20° to 45° C)
Storage Temperature	Less than 3 months: -20° C to 45° C More than 3 months: 22° C to 28° C
Charging Temperature	41° to 104° F (5° to 40° C)
Max Charging Power	180 W

DJI GO 4 APP

Name	DJI GO 4
Mobile Device System Requirements	iOS 9.0 or later, Android 4.4.0 or later
Supported Mobile Devices	iOS: iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7, iPhone 7 Plus. Android: Samsung tabs 705c, Samsung S6, Samsung S5,

Samsung NOTE4, Samsung NOTE3, Google Nexus 6p, Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei P8 Max, Huawei Mate 8, LG V20, Nubia Z7 mini, Sony Xperia Z3, MI 3, MI PAD, Smartisan T1.

*Support for additional devices available as testing and development continues.

UPWARD INFRARED SENSOR

Obstacle Sensing Range	0-16.4 feet (0-5 m)
FOV	$\pm 5^\circ$
Operating Environment	Large-sized object with diffuse reflecting surface or high reflective rate (>10%)

M210

AIRCRAFT

Model	M210
Package Dimensions	31.1×15.4×11.4inch (790×390×290mm)
Dimensions (unfolded)	34.9×34.6×14.9 inch (887×880×378 mm)
Dimensions (folded)	28.2×8.7×9.3 inch (716×220×236 mm)
Folding Method	Folded Inward
Diagonal Wheelbase	25.3 inch (643 mm)
Number of Batteries	2
Weight (TB50)	Approx.3.84kg (with two standard batteries)
Weight (TB55)	Approx.4.57kg (with two standard batteries)
Max Takeoff Weight	6.14KG
Max Payload (2 TB50)	Approx.2.3kg (with two standard batteries)
Max Payload (2 TB55)	Approx.1.57kg (with two standard batteries)
Hovering Accuracy (during safe flights)	Vertical: ± 0.5 , Downward Vision System enabled: ± 0.1 Horizontal: ± 1.5 , Downward Vision System enabled: ± 0.3
Max Angular Velocity	Pitch: $300^\circ /s$; Yaw: $150^\circ /s$
Max Pitch Angle (Dual Downward Gimbals)	P Mode: 25° (Forward Vision System enabled: 25°) ; A Mode: 25° ; S Mode: 30°
Max Pitch Angle(Single Upward/Downward)	P Mode: 30° (Forward Vision System enabled: 25°) ; A Mode: 30° ; S Mode: 35°

Gimbal)	
Max Ascent Speed	16.4 ft/s (5 m/s)
Max Descent Speed	Vertical: 9.8 ft/s (3 m/s)
Max Speed(Dual Downward Gimbals)	S Mode: 40.3mph (64.8kph) P Mode: 38mph (61.2kph) A Mode: 38mph (61.2kph)
Max Speed (Single Upward/Downward Gimbals)	S Mode: 51.4mph (82.8kph) P Mode: 38mph (61.2kph) A Mode: 51.4mph(82.8kph)
Max Service Ceiling Above Sea Level	1.86 miles (3000 m)
Max Wind Resistance	39.4 ft/s (12 m/s)
Max Flight Time(No Payload, with TB50)	27min
Max Flight Time(No Payload, with TB55)	38min
Max Flight Time(Full Payload, with TB50)	13min
Max Flight Time(Full Payload, with TB55)	24min
Motor Model	DJI 3515
Propeller Model	1760S
Operating Temperature	-4° to 113° F (-20° to 45° C)
IP Rating	IP43

GIMBAL INSTALLATION

Downward Gimbal Mount	Supported
Upward Gimbal Mount	Supported
Downward Dual Gimbal	Supported

CHARGER

Model	IN2C180
Voltage	26.1 V
Rated Power	180 W

FORWARD VISION SYSTEM

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)

DOWNWARD VISION SYSTEM

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)

GIMBALS

Compatible Gimbals	Zenmuse X4S Zenmuse X5S Zenmuse Z30 Zenmuse XT Zenmuse XT2 SLANTRANGE 3PX Sentera AGX710
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BATTERY

Model	TB50
Capacity	4280 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	97.58 Wh
Net Weight	Approx. 520 g
Operating Temperature	-20° C to 45° C
Storage Temperature	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

Model	TB55
Capacity	7660 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	176.93Wh
Net Weight	Approx. 885 g
Operating Temperature	-4° to 113° F (-20° to 45° C)
Storage Temperature	Less than 3 months: -20° C to 45° C More than 3 months: 22° C to 28° C
Charging Temperature	41° to 104° F (5° to 40° C)
Max Charging Power	180 W

DJI GO 4 APP

Name	DJI GO 4
Mobile Device System Requirements	iOS 9.0 or later, Android 4.4.0 or later
Supported Mobile Devices	iOS: iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7, iPhone 7 Plus. Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 6p, Nexus 9, Google Nexus 7 II, Ascend Mate7, Huawei P8 Max, Huawei Mate 8, LG V20, Nubia Z7 mini, Sony Xperia Z3, MI 3, MI PAD, Smartisan T1. *Support for additional devices available as testing and development continues.

UPWARD INFRARED SENSOR

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

CENDENCE

Type	GL800A
Operating Frequency	2.400-2.483 GHz; 5.725-5.825 GHz

Max Transmitting Distance (unobstructed, free of interference)	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)
Power Supply	Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)
Intelligent Battery	4923 mAh LiPo
Charging	DJI charger
Output Power	20 W (supplying power to DJI CS550 monitor) 12 W (without supplying power to monitor)
Video Output Ports	USB, HDMI, SDI
USB Supply Power	iOS: 1 A, 5.2 V (Max); Android: 1.5 A, 5.2 V (Max)
Dual User Capability	Master-and-Slave connection
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)
Charging Time	About 2 hours and 24 minutes (using a 180 W charger)
Supply Power Time	About 4 hours (only Master remote controller function enabled and without supplying power to monitor)
Weight	1041 g

M210 RTK

AIRCRAFT

Model	M210 RTK
Package Dimensions	31.1×15.4×11.4inch (790×390×290mm)
Dimensions (unfolded)	34.9×34.6×16.1 inch (Unfolded, 887×880×408 mm),
Dimensions (folded)	28.2×11.3×9.3 inch (Folded, 716×287×236 mm)
Folding Method	Folded Inward
Diagonal Wheelbase	25.3 inch (643 mm)
Number of Batteries	2
Weight (TB50)	Approx. 4.42 kg

Weight (TB55)	Approx. 5.51 kg
Max Takeoff Weight	6.14 kg
Max Payload (2 TB50)	Approx.1.72 kg (with two standard batteries)
Max Payload (2 TB55)	Approx.0.99 kg (with two optional 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) or ± 0.33 feet (0.1 m, RTK enabled) Horizontal: ± 4.92 feet (1.5 m) or ± 0.98 feet (0.3 m, Downward Vision System enabled) or ± 0.33 feet (0.1 m, RTK enabled)
Max Angular Velocity	Pitch: 300° /s, Yaw: 150° /s
Max Pitch Angle(Dual Downward Gimbals)	P Mode: 25° (Forward Vision System enabled: 25°) ; A Mode: 25° ; S Mode: 30°
Max Pitch Angle(Single Upward/Downward Gimbal)	P Mode: 30° (Forward Vision System enabled: 25°) ; A Mode: 30° ; S Mode: 35°
Max Ascent Speed	16.4 ft/s (5 m/s)
Max Descent Speed	Vertical: 9.8 ft/s (3 m/s)
Max Speed (Dual Downward Gimbals)	S Mode: 40.3mph (64.8kph) P Mode: 38mph (61.2kph) A Mode: 38mph (61.2kph)
Max Speed (Single Upward/Downward Gimbal)	S Mode: 51.4mph (82.8kph) P Mode: 38mph (61.2kph) A Mode: 51.4mph(82.8kph)
Max Service Ceiling Above Sea Level	1.86 miles (3000 m)
Max Wind Resistance	39.4 ft/s (12 m/s)
Max Flight Time(No Payload, with TB50)	23min
Max Flight Time(No Payload, with TB55)	32min
Max Flight Time(Full Payload, with TB50)	13min
Max Flight Time(Full Payload, with TB55)	24min
Motor Model	DJI 3515
Propeller Model	1760S

Operating Temperature	-4° to 113° F (-20° to 45° C)
IP Rating	IP43

GIMBAL INSTALLATION

Downward Gimbal Mount	Supported
Upward Gimbal Mount	Supported
Downward Dual Gimbal	Supported

CHARGER

Model	IN2C180
Voltage	26.1 V
Rated Power	180 W

FORWARD VISION SYSTEM

Obstacle Sensing Range	0.7 - 30 m;
FOV	Horizontal 60° , Vertical 54°
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)

DOWNWARD VISION SYSTEM

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)
Surfaces with clear patterns and adequate lighting (> 15 lux)	0.33-16.4 feet (10-500 cm)
Ultrasonic Sensor Operating Environment	Non-absorbing material, rigid surface (thick indoor carpeting will reduce performance)

GIMBALS

Compatible Gimbals	Zenmuse X4S Zenmuse X5S Zenmuse Z30 Zenmuse XT Zenmuse XT2 SLANTRANGE 3PX Sentera AGX710
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BATTERY

Model	TB50
Capacity	4280 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	97.58 Wh
Net Weight	Approx. 520g
Operating Temperature	-4° to 113° F (-20° to 45° 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

Model	TB55
Capacity	7660 mAh
Voltage	22.8V
Battery Type	LiPo 6S
Energy	176.93Wh
Net Weight	885g
Operating Temperature	-20° C to 45° C
Storage Temperature	Less than 3 months: -20° C to 45° C More than 3 months: 22° C to 28° C
Charging Temperature	41° to 104° F (5° to 40° C)
Max Charging Power	180 W

DJI GO 4 APP

Name	DJI GO 4
Mobile Device System Requirements	iOS 9.0 or later, Android 4.4.0 or later
Supported Mobile Devices	iOS: iPhone 5s, iPhone SE, iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPad Air, iPad Air Wi-Fi + Cellular, iPad mini 2, iPad mini 2 Wi-Fi + Cellular, iPad Air 2, iPad Air 2 Wi-Fi + Cellular, iPad mini 3, iPad mini 3 Wi-Fi + Cellular, iPad mini 4 and iPad mini 4 Wi-Fi + Cellular. This app is optimized for iPhone 7, iPhone 7 Plus. Android: Samsung tabs 705c, Samsung S6, Samsung S5, Samsung NOTE4, Samsung NOTE3, Google Nexus 6p, Nexus 9, Google Nexus 7

II, Ascend Mate7, Huawei P8 Max, Huawei Mate 8, LG V20, Nubia Z7 mini, Sony Xperia Z3, MI 3, MI PAD, Smartisan T1.

*Support for additional devices available as testing and development continues.

UPWARD INFRARED SENSOR

Obstacle Sensing Range	0-16.4 feet (0-5 m)
FOV	$\pm 5^{\circ}$
Operating Environment	Large-sized object with diffuse reflecting surface or high reflective rate (>10%)

CENDENCE

Type	GL800A
Operating Frequency	2.400-2.483 GHz; 5.725-5.825 GHz
Max Transmitting Distance (unobstructed, free of interference)	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)
Power Supply	Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)
Intelligent Battery	4923 mAh LiPo
Charging	DJI charger
Output Power	20 W (supplying power to DJI CS550 monitor) 12 W (without supplying power to monitor)
Video Output Ports	USB, HDMI, SDI
USB Supply Power	iOS: 1 A, 5.2 V (Max); Android: 1.5 A, 5.2 V (Max)
Dual User Capability	Master-and-Slave connection
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)
Charging Time	About 2 hours and 24 minutes (using a 180 W charger)
Supply Power Time	About 4 hours (only Master remote controller function enabled and

without supplying power to monitor)

Weight

1041 g