



MATRICE 210 V2 / 210 RTK V2

Built to Endure. Engineered to Adapt.

The ultimate platform for aerial productivity combines a rugged design and simple configurability to work as a solution for a variety of industrial applications.

AIRCRAFT

Dimensions:	M210 V2	883×886×398 mm [Unfolded, propellers and landing gears included] 722×282×242 mm [Folded, propellers and landing gears excluded]			
	M210 RTK V2	883×886×427 mm [Unfolded, propellers and landing gears included] 722×282×242 mm [Folded, propellers and landing gears excluded]			
Diagonal Wheelbase:	643 mm		Max Take-off Weight:	6.14 kg	
Max Payload:	M210 V2	1.34 kg	Weight:	M210 V2	Approx. 4.8 kg
	M210 RTK V2	1.23 kg		M210 RTK V	Approx. 4.91 kg
Operating Frequency:			Transmission Power (EIRP):		
2.400 GHz to 2.483 GHz (Europe, Japan, Korea)			2.4 GHz	≤ 20 dBm	CE/MIC/SRRC
5.725 GHz to 5.850 GHz (United States, China)				≤ 26 dBm	NCC/FCC
			5.8 GHz	≤ 14 dBm	CE
				≤ 26 dBm	NCC/FCC/SRRC
Hovering Accuracy:	(P-mode with GPS)		Vertical:	±0.5 m (±0.1 m Downward Vision System enabled)	
			Horizontal:	±1.5 m (±0.3 m, Downward Vision System enabled)	
	(D-RTK, M210 RTK V2)		Vertical:	±0.1 m Horizontal: ±0.1 m	
Max Pitch Angle:			Max Angular Velocity:		Pitch: 300°/s Yaw: 120°/s
S-mode: 35°			Environmental Rating:		IP43
P-mode: 30° (25° with Forward Vision System enabled)			Operating Temperature:		-20° to 50°C
A-mode: 30°					
Max Speed:	Dual Downward Gimbal/Single Upward Gimbal	(S-mode/A-mode)			73.8 km/h
		(P-mode)			61.2 km/h
	Single Downward Gimbal	(S-mode/A-mode)			81 km/h
		(P-mode)			61.2 km/h
Max Ascent Speed:	5 m/s		Max Wind Resistance:		12 m/s
Max Descent Speed (vertical):	3 m/s		Max Service Ceiling:		3 000 m Above Sea Level
Max Flight Time:	M10 V2	34 min (no payload) 24 min (t/o weight: 6.14 kg)	M210 RTK V2		33 min (no payload) 24 min (t/o weight: 6.14 kg)
DJI Gimbals:	Zenmuse X4S/X5S/X7/XT/XT2/Z30		GNSS:	M210 V2	GPS+GLONASS
				M210 RTK V2	GPS+GLONASS+BeiDou+Galileo
Gimbal Configurations:	Single Downward Gimbal Dual Downward Gimbals Single Upward Gimbal				

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REMOTE CONTROLLER (GL900A)

Operating Frequency: 2.400 GHz to 2.483 GHz (Europe, Japan, Korea) 5.725 GHz to 5.850 GHz (United States, China)	Transmission Power (EIRP): 2.4 GHz ≤ 20 dBm CE/MIC/SRRC ≤ 26 dBm NCC/FCC 5.8 GHz ≤ 14 dBm CE ≤ 26 dBm NCC/FCC/SRRC
Max Transmission Distance: NCC/FCC: 8 km SRRC / CE / MIC: 5 km	Power Supply: Extended Intelligent Battery (Model: WB37-4920mAh-7.6V)
Output Power (max): 13 W	USB Power Supply: 1 A= 5.2 V (max)
CrystalSky Monitor: DJI CrystalSky 7.85inch, Resolution: 2048×1536; Brightness: 2000 cd/m ² ; Operating System: Android 5.1; Storage: ROM 128GB	Operating Temperature: -20° to 50°C

FORWARD VISION SYSTEM

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

Operating Environment: Surfaces with clear patterns and adequate lighting (> 15 lux)	Altitude Range: < 10 m Operating Range: < 10 m
Velocity Range: 10 m/s at the height of 2 m	Ultrasonic Sensor Operating Range: 0.1-5 m
Ultrasonic Sensor Operating Environment: Non-absorbing material, rigid surface	

UPWARD INFRARED SENSING SYSTEM

Obstacle Sensing Range: 0-5 m	Field of View: ±5°
Operating Environment: Large, diffuse and reflective obstacles (reflectivity >10%)	

INTELLIGENT FLIGHT BATTERY (TB55-7660MAH-22.8V)

Capacity: 7660 mAh	Voltage Energy: 22.8 V 174.6 Wh
Battery Type: LiPo 6S	Charging Temperature: 5° to 40°C
Net Weight: Approx. 885 g	Operating Temperature: -20° to 50°C
Max charging Power: 180 W	

CHARGING HUB (IN2CH)

Input Voltage: 26.1 V	Input Current: 6.9 A
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CHARGER (INC180)

Voltage: 26.1 V	Rated Power: 180 W
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