



MATRICE 200

SERIES

BUILT TO ENDURE.
ENGINEERED TO ADAPT.



ABOUT DJI ENTERPRISE

DJI Enterprise provides drone solutions for a variety of industries, including Agriculture, Energy, Media, Construction, Infrastructure and Public Safety. With drone platforms from DJI, businesses can advance their operations with aerial data.



ABOUT THE DJI MATRICE 200 SERIES

The M200 Series is an industrial platform built for professional users to perform aerial inspections and collect data. It makes drone technology an affordable and easy-to-use tool for enterprises that recognize how aerial imaging can transform their operations.



MATRICE 200

RELIABLY TOUGH

✓ FPV Camera

✓ DJI AirSense

✓ Dual-battery System

✓ FlightAutonomy



MATRICE 210

ADAPTABILITY ON THE GO

✓ FPV Camera

✓ DJI AirSense

✓ Dual-battery System

✓ FlightAutonomy

+ Universal Ports

+ DJI CrystalSky

+ Multiple Payload Configurations



MATRICE 210 RTK

POWERFUL PRECISION

✓ FPV Camera

✓ DJI AirSense

✓ Dual-battery System

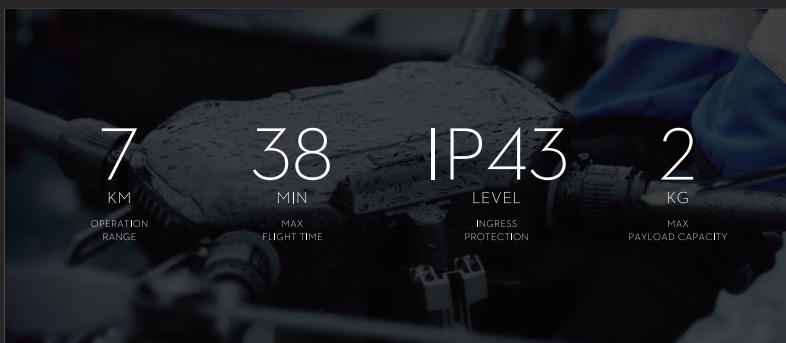
✓ FlightAutonomy

✓ Universal Ports

✓ DJI CrystalSky

✓ Multiple Payload Configurations

+ Built-in RTK

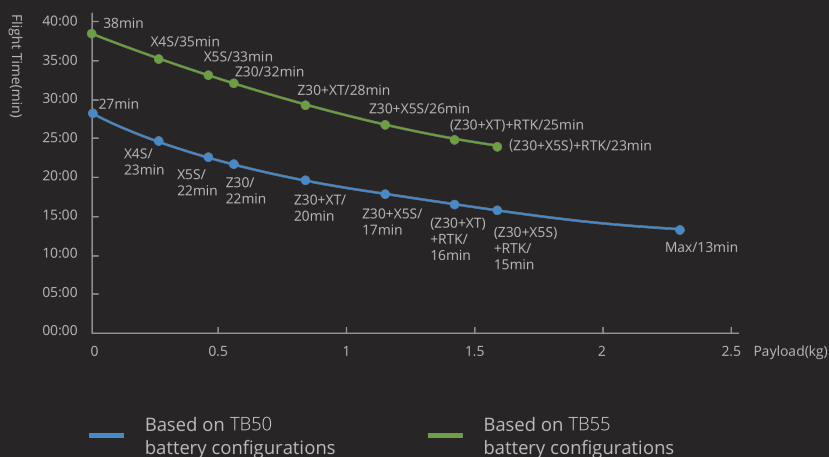


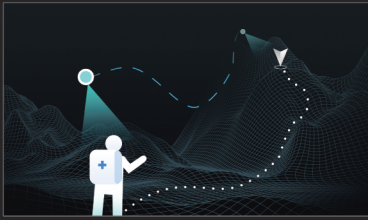
BUILT TO ENDURE

High-performance motors paired with 17-inch propellers ensure stable flight in strong winds. The new dual-battery power system automatically heats batteries when flying in sub-zero temperatures, while an enclosed design ensures weather and water resistance, so you can fly in a wide range of environments.

FLIGHT TIME

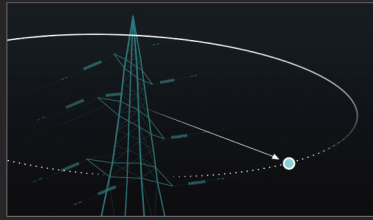
Estimate your M200 Series drone's flight time based on the payload configuration.





ACTIVETRACK

Keep moving subjects in frame while you fly with ease to capture detailed data. Perfect for keeping track of missing persons while you relay their position to a rescue team.



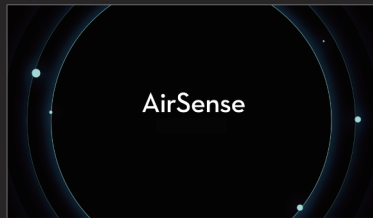
POINT OF INTEREST

Easily circle your object of interest to focus on capturing the data needed for a detailed inspection, compatible with the X4S and X5S cameras.



APP COMPATIBILITY

Conveniently control and customize your M200 Series drone with DJI GO 4 or DJI Pilot, an Android app built for enterprise users. Flight planning can be done using DJI GS Pro.



DJI AIRSENSE

With a built-in ADS-B receiver, the M200 Series enhances airspace safety by automatically providing the operator with real-time information about nearby manned aircraft.



OBSTACLE AVOIDANCE

A robust FlightAutonomy system with front, bottom and upper sensors detect and avoid obstacles while enabling precision hovering so that you can fly with confidence.



SINGLE DOWNWARD GIMBAL

✓ MATRICE 200

✓ MATRICE 210

✓ MATRICE 210 RTK



DUAL DOWNWARD GIMBALS

✓ MATRICE 210

✓ MATRICE 210 RTK



SINGLE UPWARD GIMBAL

✓ MATRICE 210

✓ MATRICE 210 RTK



THIRD PARTY SENSORS

✓ MATRICE 210

✓ MATRICE 210 RTK



EXPANSION PORTS

X4S



Shoot 20 MP stills with a leaf shutter, ideal for surveying.

X5S



M 4/3 camera with multiple lens options for the best image.

XT



Precise and rapid aerial thermal imaging with <50 mK sensitivity.

Z30



30x optical zoom camera ideal for detailed inspections.



DUAL GIMBALS

Combine payloads for a complete data collection solution.



UPWARD GIMBAL

Mount a gimbal upward to visualize a variety of assets.



ALWAYS READY

With a unique folding arm mechanism and quick release landing gear, the M200 Series quickly collapses down into a small, easy-to-carry form factor.

SIMPLIFIED TRANSPORTATION

Each M200 Series drone comes with a sturdy travelling case built to carry your M200 Series drone with the desired gimbal mounts attached and additional accessories.

QUICK TO DEPLOY

Once you've arrived at your job site, your M200 Series requires just a few flicks to get flight-ready and easy-to-use mobile apps take you from packed away to capturing insightful data in minutes.

EFFICIENCY REFORGED

Improve your operations with insights from geo-referenced imagery. Whether you're exploring drones for asset inspection, public safety operations, mapping or more, the M200 Series is the ultimate tool for improving your teams' efficiency.



STRENGTHS OF THE MATRICE 200 SERIES PLATFORM

- Most durable aerial platform to date
- Versatility allows your M200 Series drone to overcome any task
- Works in most weather conditions

In addition to the powerful features built into the Matrice 200 Series drones, DJI has developed an ecosystem of apps and developer tools so businesses can easily customize and improve their aerial operations.



USING THE M200 SERIES FOR POWER LINE INSPECTIONS

High-voltage transmission towers and substations are difficult to inspect with current technology, but it's critical to ensure these assets are near peak efficiency. Current inspection methods are inadequate in that inspections often take too much time due to rough terrain and improper equipment (manual inspections) or are too expensive (manned helicopter missions). In the case of manual inspections, teams often need to make dangerous climbs to get the information required.

SAMPLE WORKFLOWS

LINE/PYLON INSPECTION

- 1 PREPARATION
 - Decide assets to be inspected
 - Find an open area with a clear view of the inspection target
 - Plan flight beforehand using DJI Pilot or GS Pro (optional).
- 2 DEPLOYMENT
 - Mount the payload that best suits the data requested
 - If using RTK, test connection
- 3 PROBLEM SOLVING
 - Capture data of the site, plug the SD card from the drone into your computer and send photos detailing problematic areas to the teams responsible

SUBSTATION INSPECTION

- 1 PREPARATION
 - Plan flight using DJI Pilot or GS Pro. Note that with substations you can only fly above the site
- 2 DEPLOYMENT
 - Start mission automatically and collect image or video data
- 3 PROBLEM SOLVING
 - Verify problematic areas manually or use third-party software to assist in identifying areas of concern

SOLUTION

Drone:

M210 RTK

Payload:

Z30 and XT

Software:

DJI Pilot / GS Pro

WHY USE THE M200 SERIES?

1. Much faster and safer than manual inspections

2. Versatility

- M210 models with visual and thermal cameras let you identify internal and external issues with one flight
- M210 RTK model allows the drone to fly stably despite strong electromagnetic interference

3. With weather resistance, there are less delays due to weather conditions

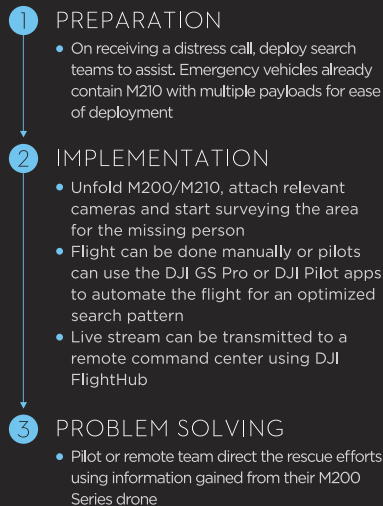


USING THE M200 SERIES FOR PUBLIC SAFETY OPERATIONS

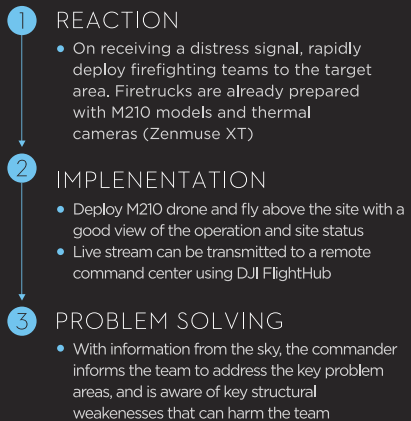
Rescue, firefighting, disaster response and public safety operations rely on skilled teams to react quickly with limited information. M200 Series drone allow teams to quickly and reliably deploy an aerial view for enhanced awareness, allowing teams to more safely and effectively approach a mission. With the M200 Series' improved portability, ease of use and speed of deployment, safety teams can more easily use aerial technology to save lives.

SCENARIO

REACTON



FIREFIGHTING OPERATIONS



SOLUTION

Drone:

M210

Payload:

Z30 and XT

Software:

DJI Pilot / DJI GS Pro

WHY USE THE M200 SERIES?

1. Find missing persons and plan approach paths with an aerial perspective, regardless of terrain
2. Mount two cameras at once with the M210 model so you're equipped for any task
3. Thermal (Zenmuse XT) and zoom (Zenmuse Z30) to easily spot missing persons in difficult environments
4. Weather resistance so you can operate regardless of weather conditions
5. Plan optimal paths using flight planning features enabled through DJI software offerings



M200 SERIES SPECIFICATION

	Model	M200	M210	M210 RTK
	Package Dimensions	790mm*390mm*290mm		
AIRCRAFT	Dimensions (unfolded)	887mm*880mm*378mm		887mm*880mm*408mm
	Dimensions (folded)	716mm*220mm*236mm		716mm*242mm*236mm
	Diagonal Wheelbase	643mm		
	Weight (TB50)	3.80KG	3.84KG	4.27KG
	Weight (TB55)	4.53KG	4.57KG	5.0KG
	Max Takeoff Weight	6.14KG		
	Max Payload (2 TB50)	2.34KG	2.3KG	1.87KG
	Max Payload (2 TB55)	1.61KG	1.57KG	1.14KG
	Hovering Accuracy (P-mode with GPS)	Vertical: ±1.64 feet (0.5m) or ±0.33 feet (0.1m, Downward Vision System enabled)		Vertical: ±1.64 feet (0.5 m) or ±0.33 feet (0.1 m, Downward Vision System enabled) (D-RTK) 2 cm + 1 ppm
		Horizontal: ±4.92 feet (1.5m) or ±0.98 feet (0.3m, Downward Vision System enabled)		Horizontal: ±4.92 feet (1.5 m) or ±0.98 feet (0.3 m, Downward Vision System enabled) (D-RTK) 1 cm + 1 ppm
	Max Angular Velocity	Pitch: 300° /s; Yaw: 150° /s		
	Max Pitch Angle	P Mode: 35° (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 23m/s P Mode 17m/s A Mode 23m/s		
	Max Service Ceiling Above Sea Level	1.55 mi (2500 m)		
	Max Wind Resistance	32.8 ft/s (10 m/s)		
	Max Flight Time(No Payload, with TB50)	27min	27min	23min
	Max Flight Time(No Payload, with TB55)	38min	38min	32min
	Max Flight Time(Full Payload, with TB50)	13min		
	Max Flight Time(Full Payload, with TB55)	24min		
	Operating Temperature	-20°C to 45° C		
	IP Rating	IP43		
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)		
UPWARD INFRARED SENSOR	Obstacle Sensing Range	0-16.4 feet (0-5 m)		
	FOV	±5°		
	Operating Environment	Large-size non-reflective obstacles		
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			
	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)		



FOR MORE INFORMATION ABOUT THE MATRICE 200 SERIES:
WWW.DJI.COM/MATRICE-200-SERIES

FOR MORE INFORMATION ABOUT DJI ENTERPRISE:
ENTERPRISE.DJI.COM