



MATRICE 200 SERIES V2
BUILT TO ENDURE.
ENGINEERED TO ADAPT.



TOP MATRICE 200 SERIES V2 FEATURES

DURABILITY

VERSATILITY

OCUSYNC 2.0

DATA ACCURACY

ANTI-COLLISION BEACON

ONE-CLICK UPGRADE

COMPATIBILITY

MATRICE 200 SERIES V2 KEY FEATURES

	M200 V2	M210 V2	M210 RTK V2
Max Flight Time (no payloads)	38 mins	34 mins	33 mins
Max Flight Time (with 13.53 lbs. (6.14 kg) takeoff weight)		24 mins	
Remote Controller	DJI Cendence S GL900A		
Weight (with batteries, no payloads)	Approx. 10.34 lbs. (4.69 kg)	Approx. 10.58 lbs. (4.80 kg)	Approx. 10.83 lbs. (4.91 kg)
Max. Transmission Range (unobstructed, free of interference)	5 mi (8 km)		
Max. Payload Capacity	Approx. 3.20 lbs. (1.45 kg)	Approx. 2.95 lbs. (1.34 kg)	Approx. 2.71 lbs. (1.23 kg)
Anti-Collision Beacon	Supported (up and down)		
Upward Gimbal (external GPS kit required)	Not Supported	Supported	Supported
Downward Dual Gimbal	Not Supported	Supported	Supported
RTK	Not Supported	Not Supported	Supported



DURABILITY

With IP43 level ingress rated weather and water resistant protection and operating temperature* from -4° to 122°F (-20° to 50°C), the Matrices 200 Series V2 is build to endure adverse environments.

Self-heating Battery - The TB55 Intelligent flight battery supports self-heating feature. The battery will automatically warm up after power on if it is installed into the aircraft. After takeoff the self-heating function will turn off automatically.

Aircraft Center - gravity Point Calibration - When multiple payloads or third-party payloads are installed, users can readjust the drone's center of gravity in the DJI Pilot app, enhancing flight stability and safety.

*Extreme temperature condition may affect the flight time.

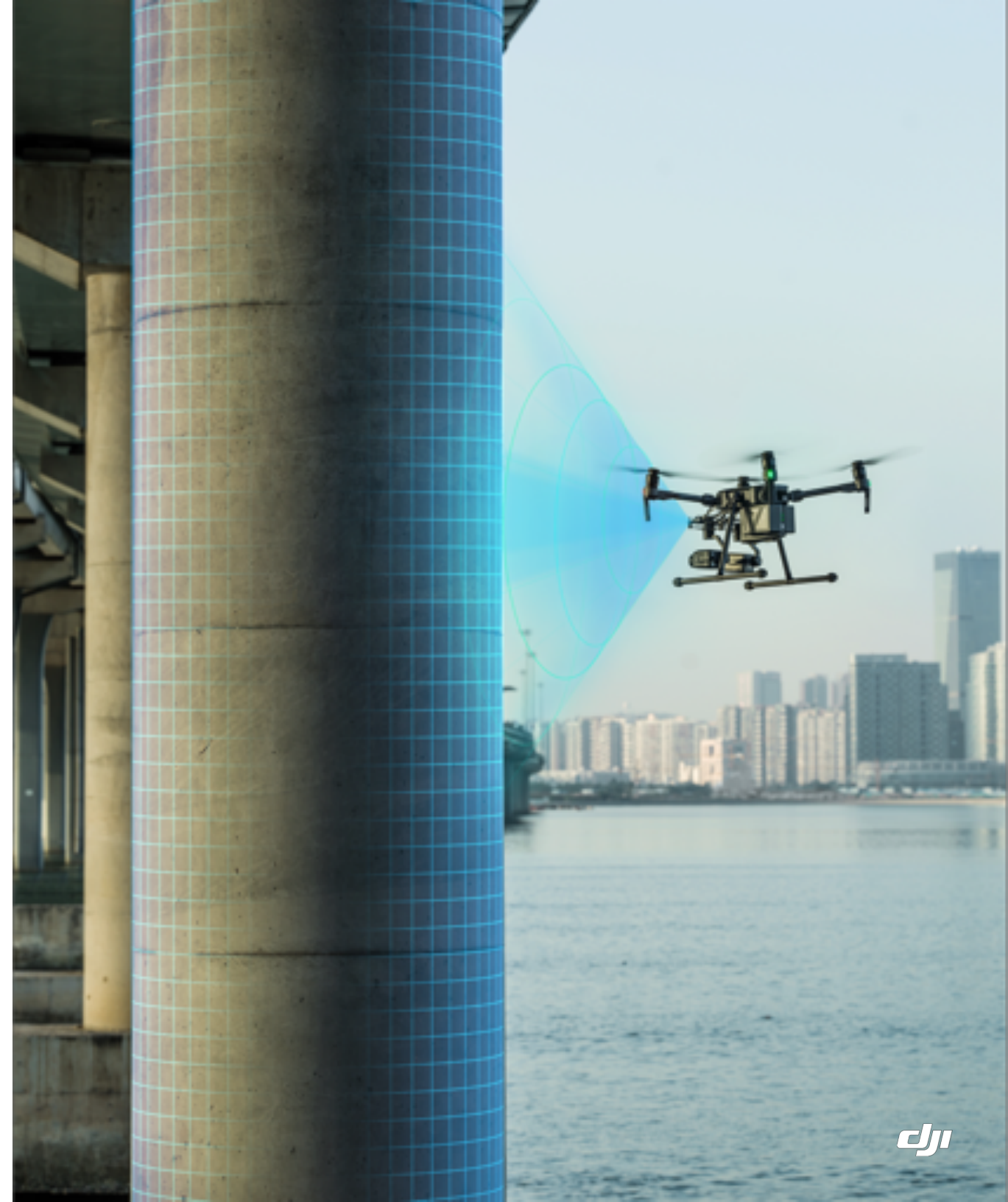


INTELLIGENT CONTROLS

The Matrice 200 Series V2 has an advanced obstacle avoidance system, a downward vision system for precise hovering and landing, dual front vision sensors capable of detecting obstacles up to 30 meters ahead, and an upward facing infrared sensor which can avoid obstacles within five meters. In terms of software, the Matrice 200 Series V2 provides a variety of intelligent flight modes.

Spotlight mode aids pilots by tracking the desired object without the need for a gimbal operator.

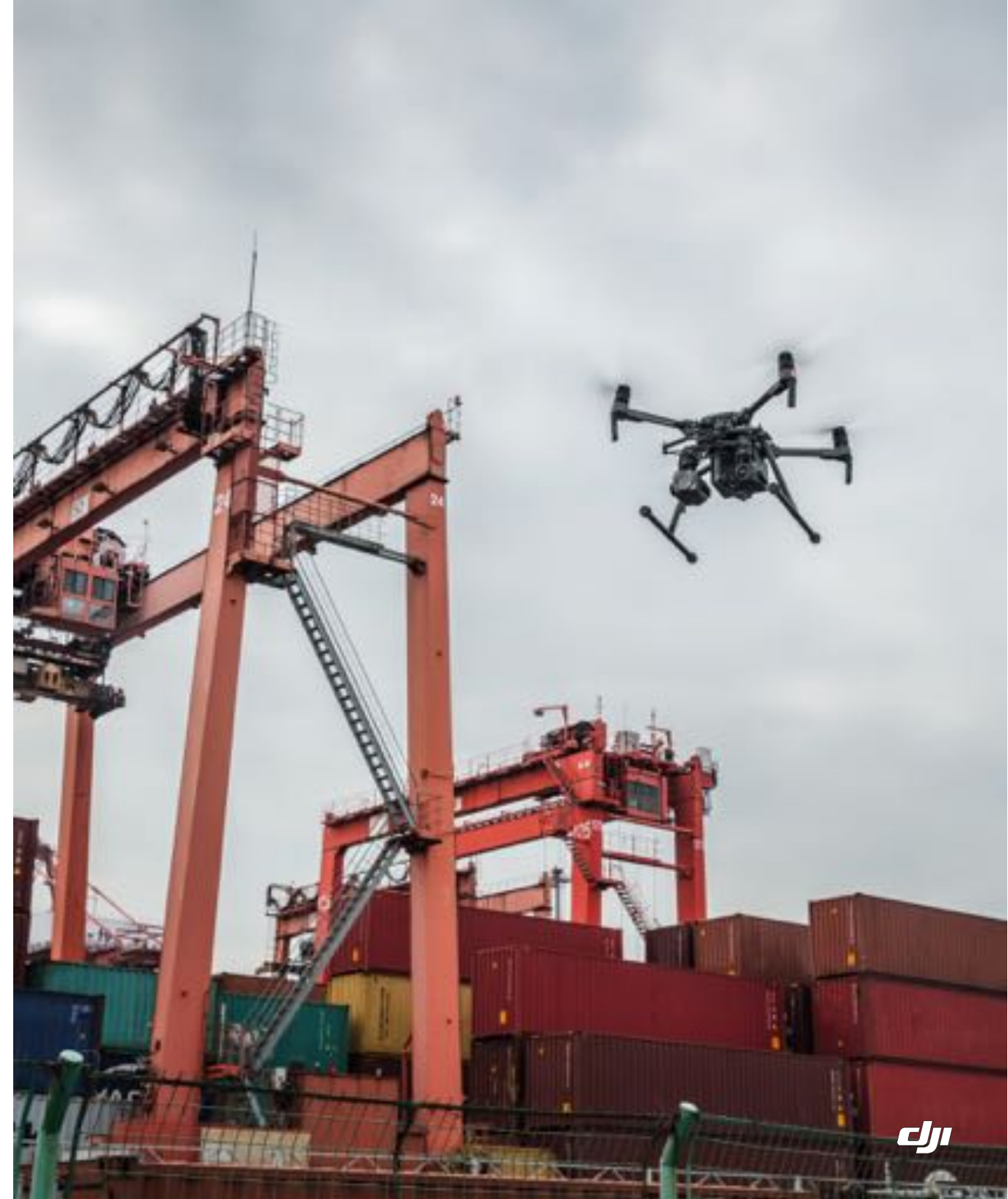
Enable Discreet Mode for missions that require an unobtrusive flight, especially during the night time, all lights can be completely turned off in the DJI Pilot app.



OCUSYNC 2.0

Experience exceptional flight performance with the OcuSync 2.0, which supports automatic dual frequency band switching between 2.4 GHz and 5.8 GHz*. This ensures a more reliable and stable flight, and enhanced video transmission of up to 5 miles (8 km) with FHD video resolution stream.

*Due to local policies, some countries may not support 5.8 GHz transmission.



VERSATILITY

Zenmuse X4S



Zenmuse X4S -
1" CMOS sensor with
mechanical shutter to
counter in-flight rolling
shutter effects

Zenmuse X5S



4/3" CMOS sensor
with 20.8MP
effective pixels

Zenmuse X7



Super 35 sensor
camera with
multiple DJI DL lens
options for cinema-
quality image

Zenmuse XT (with gimbal adapter)



High sensitive
thermal imaging
sensor

Zenmuse XT2



High resolution
thermal imaging with
secondary 4K visual
camera

Zenmuse Z30



30-times optical zoom
with additional 6 times
digital zoom

VERSATILITY

Single Downward Gimbal Setup
(M200 V2, M210 V2 and M210 RTK V2)



Dual Downward Gimbal Setup
(M210 V2 and M210 RTK V2)



Upward* and Downward Gimbal Setup
(M210 V2 and M210 RTK V2)



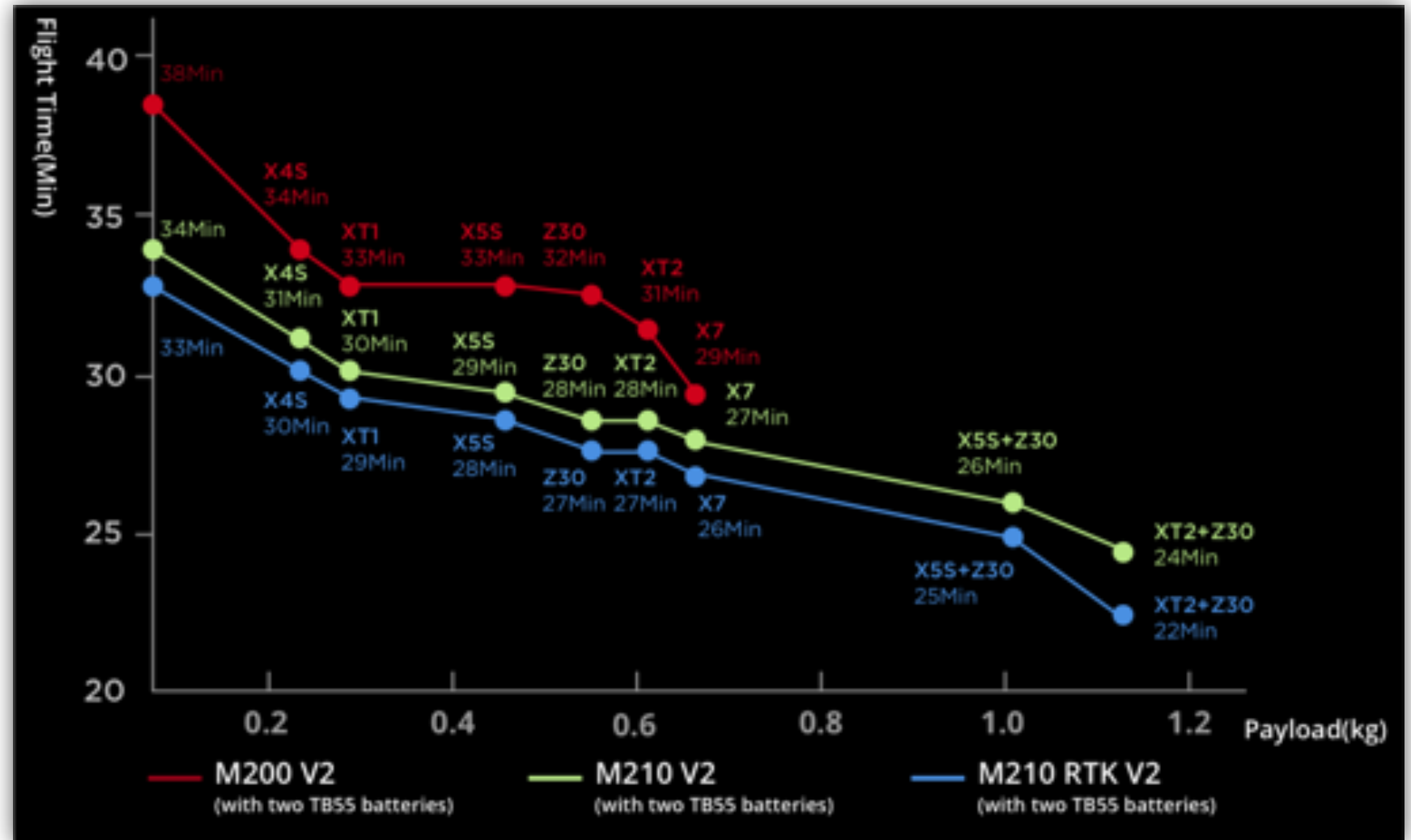
Zenmuse X4S	Supported	Supported (gimbal connector 1 only)	Supported (upward gimbal only)
Zenmuse X5S	Supported	Supported (gimbal connector 1 only)	Supported (upward gimbal only)
Zenmuse X7	Supported	Supported (gimbal connector 1 only)	Supported (upward gimbal only)
Zenmuse Z30	Supported	Supported	Supported
Zenmuse XT (with gimbal adapter)	Supported	Supported	Supported
Zenmuse XT2	Supported	Supported (gimbal connector 1 only)	Supported (upward gimbal only)

*External GPS kit and Upward gimbal kit required, both sold separately.

FLIGHT TIME

Matrice 200 Series V2 supports varieties of gimbals* for different using scenarios. The aircraft flight time may be affected due to different weights of the payloads and various weather conditions.

*Compatible gimbals including Zenmuse X4S, Zenmuse X5S, Zenmuse X7, Zenmuse Z30, Zenmuse XT, Zenmuse XT2 and third-party payloads powered by DJI SkyPort.



THIRD-PARTY PAYLOADS

DJI Matrice 200 Series V2 supports third-party payload and software developed with the Payload SDK and standard DJI SkyPort adapter to specialize aircraft for industrial applications.

Slanrange 3PX: 3PX merges Slanrange patented multispectral imaging, agriculture analytics, and data accuracy with DJI's Matrice 200 Series drone platform. Suitable for Agriculture, Oil & Gas and Construction industries.

Sentera AGX710: AGX710 seamlessly integrates Sentera digital agriculture ecosystem into the DJI Matrice 200 Series drone platform. Suitable for agriculture, infrastructure and land surveying.

Build imaging or robotic tools for your specific workflow needs using PSDK. Discover more about PSDK on <https://developer.dji.com/payload-sdk/>



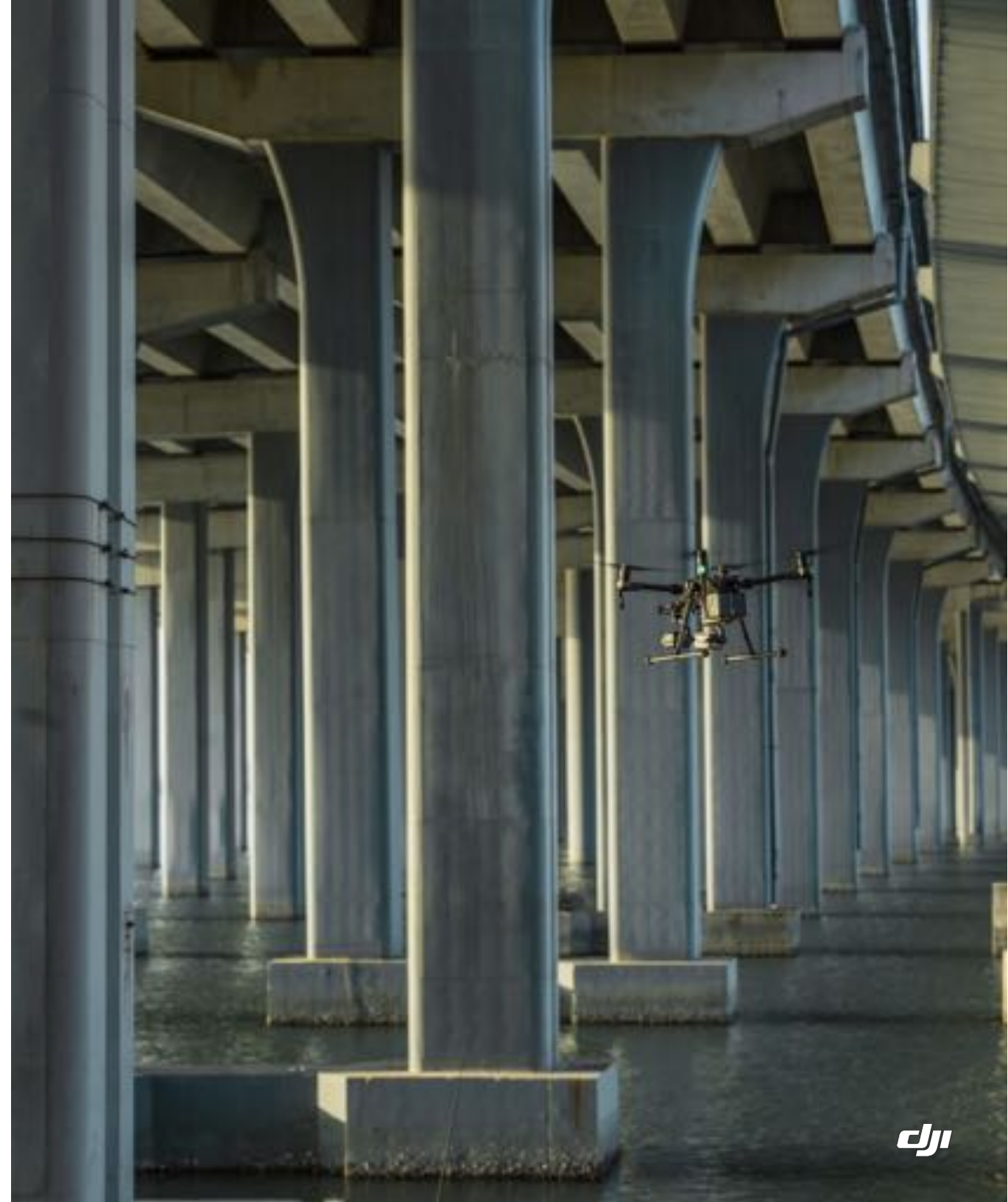
Powered by DJI SKYPORT

DATA ACCURACY AND SECURITY

AES-256 Video Transmission Encryption - The AES-256 encryption keeps your data transmission secure so you can be sure that your critical information stays safe.

TimeSync - The TimeSync system continuously aligns the flight controller, camera, GPS module, RTK module for the M210 RTK V2, as well as payloads or onboard accessories. The position data is fixed to the center of the CMOS for precise geotagging when using DJI payloads.

*Available only on the M210 RTK V2 model.



ANTI-COLLISION BEACON

Designed with U.S. Federal Aviation Administration 3 nautical mile night-time waiver standards in mind, anti-collision beacons have been added on the top and bottom of the Matrice 200 Series V2 to improve flight safety during low-light conditions and at night*.

*Please consult local policies and regulations before performing nighttime and BVLOS (beyond visual line of sight) operations



ONE-CLICK UPGRADE

The Matrice 200 Series V2 supports one-click upgrade using the DJI Assistant 2 for Matrice software and the DJI Pilot app. These components can now be upgraded simultaneously with one-click:

- Aircraft Firmware
- Aircraft RTK Module Firmware
- D-RTK 2 Mobile Station Firmware
- CrystalSky Software
- Mobile app Software
- Payload Firmware



DJI AIRSENSE

The Matrice 200 Series V2 features DJI AirSense technology, a built-in ADS-B receiver, enhancing airspace safety by automatically providing the operator with real-time information about the position, altitude, and velocity of nearby manned aircraft equipped with ADS-B transmitters.

AirSense enables safer and more efficient use of airspace, particularly in locations where other manned aircraft may be operating.

*AirSense system can only receive messages sent by manned aircraft installed with an ADS-B out device and in accordance with 1090ES (RTCA DO-260) or UAT (RTCA Do-282) standards. DJI devices will not receive related broadcast messages or send out warnings for manned aircraft without ADS-B outs or with malfunctioning ADS-B outs.



COMPATIBILITY

The Matrice 200 Series V2 is compatible with DJI's Mobile and Onboard Software Development Kit (SDK), enabling programmers to build customized solutions for flight planning, data collection and analysis.

With its dedicated XT30 power output, universal communication and 19-pins expansion ports*, PSDK, OSDK, MSDK, developers are able to unlock their potentials for more innovated applications.

HardSync – The Matrice 200 Serie V2 supports time and GNSS data synchronization

PPS_IN – TimeSync Signal Input

PPS_OUT – TimeSync Signal Output

FC_SYNC - Forward Visual Signal

UART – Forward Visual Data/RTK and GPS raw data

*Only available on M210 V2 and M210 RTK V2



Access Ports		OSDK	External GPS	
PPS_OUT	GND	GND	GPS_VCC	PPS_IN
PWM3/GPIO3	PWM4/GPIO4/FC_SYNC	UART_RX	GND	CANH
PWM1/GPIO1	PWM2/GPIO2	UART_TX	GPS_DET	CANL

D-RTK 2 MOBILE STATION FOR MATRICE SERIES

- Supports four satellite navigation systems: GPS, GLONASS, BeiDou, and Galileo
- Supports OcuSync 2.0
- IP 67 Rated, optional hard case accessory
- Still Detection: The RTK mobile station should always maintain still during the operation. However, if the station has been moved or tilted on accident, its Still Detection feature will automatically detect its altered stationary state and report the captured data as unreliable.

*The DJI D-RTK 2 mobile station for Matrice Series would not be compatible with Phantom 4 RTK and Agras Series.



D-RTK 2 MOBILE STATION VERSION COMPARISON

	D-RTK 2	D-RTK for Matrice Series
Supported UAVs	MG-1P RTK and Phantom 4 RTK	M210 RTK V2
Wi-Fi Compatibility	Supported	Not Supported
4G LTE Network Compatibility (Compatible 4G dongle needed)	Supported	Supported
Mobile app Support	DJI MG app and DJI GSR app	DJI Pilot app
IP Rating		IP67 Rated
PPK Compatibility	Supported	Supported



USAGE

Matrice 200 Series V2 provides various professional solutions for industrial applications.

INSPECTION

AGRICULTURE

ENGINEERING

SEARCH & RESCUE

INFRASTRUCTURE

SURVEYING

MAPPING



IN THE BOX

	M200 V2	M210 V2 / M210 RTK V2
CrystalSky (7.85" Ultra Brightness)	None	1
WCH2 Charging Hub (for CrystalSky/Cendence S)	None	1
Spare Waterproof Rear Port Cover	None	1
WB37 Battery (for CrystalSky/Cendence S)	1	2
Cendence S Remote Controller	1	1
64 GB microSD Card	1	1
Propellers (Pair)	4	4
TB55 Battery (for aircraft)	2	2
IN2CH Charging Hub and Battery Charger (for TB55 batteries)	1	1
Carrying Case	1	1

Matrice 200 Series V2



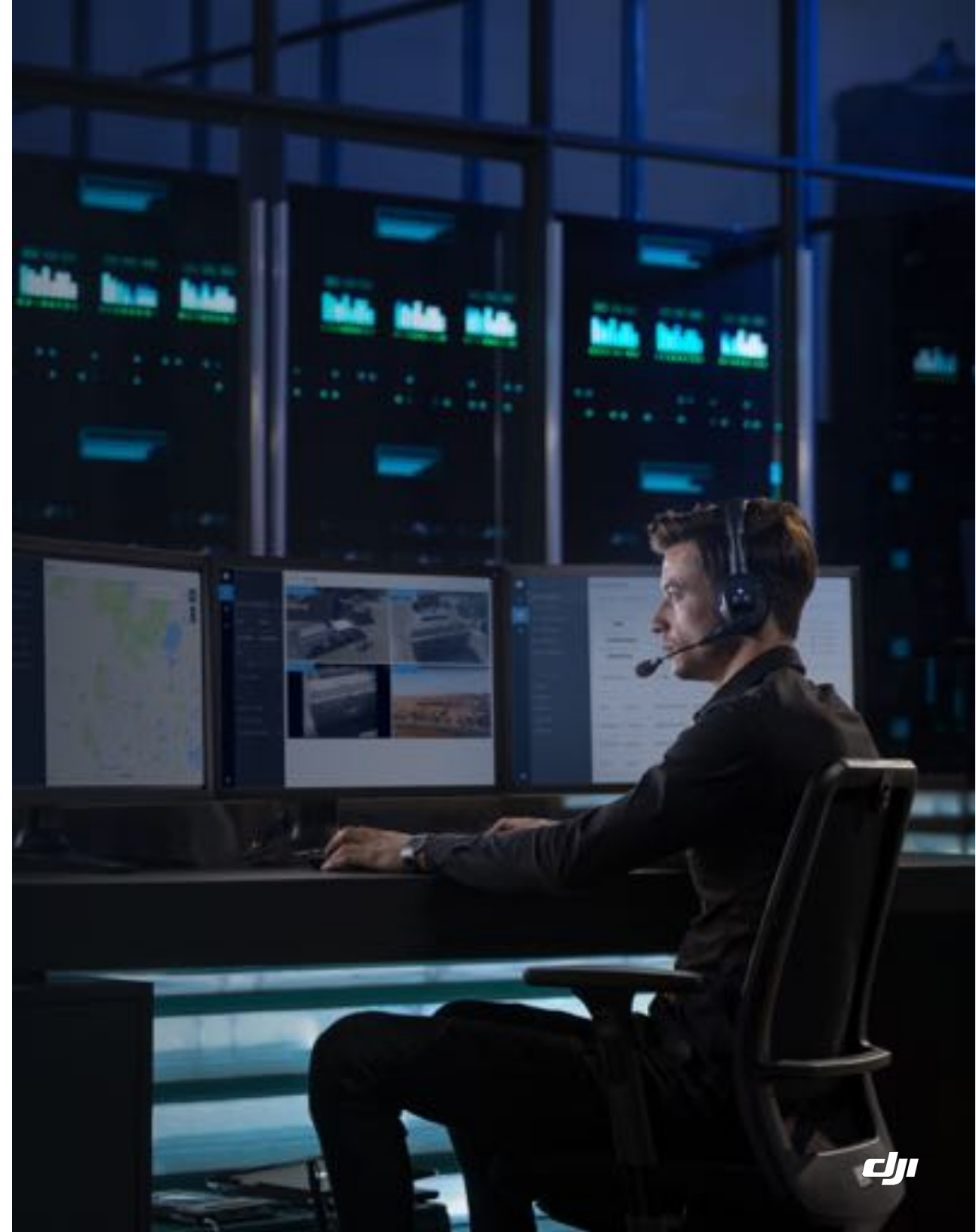
FLIGHTHUB COMPATIBLE

DJI FlightHub software enables organizations to efficiently manage all aspects of their commercial drone operations from a single platform. As a web-based service, FlightHub Basic and Advanced have provided the capability to oversee live operations, manage flight data, manage fleets and pilots, and effectively plan operations.

Users can integrate the Matrice 200 Series V2 with DJI FlightHub along with their existing fleet of drones* to help optimize operational efficiencies across their fleet. Direct tie-in to DJI Pilot app allows pilots to stream real-time video or captured imagery to their enterprises' FlightHub system.

- Live Operations Management
- Flight Data Management
- Fleet and Pilot Management

*Currently support Matrice 200 Series V2, Matrice 200 Series, Matrice 600 Series, Inspire 2, Mavic Pro, Mavic 2 Enterprise, Mavic 2 Enterprise Dual, Phantom 4 Pro (excluding Phantom 4 Pro+), Phantom 4, Phantom 4 Advanced (excluding Phantom 4 Advanced+).



FLIGHTHUB ENTERPRISE COMPATIBLE

FlightHub Enterprise has additional features that give commercial operators more control over their implementations and data security:

- Private Cloud Hosting
- Offline Map
- Firmware Management
- Media Archive
- Mission Planning
- Fleet Maintenance



SOFTWARE SUPPORT

Matrice 200 Series V2 operates with the DJI Pilot app, GS Pro app, Assistant 2 For Matrice, FlightHub EE as well as other customized SDK software.

Software

DJI Pilot app

DJI Pilot PE app

DJI GS Pro app*

DJI Assistant 2 For Matrice

DJI FlightHub

DJI FlightHub EE/GE

Supported Platforms

iOS*, Android

iOS*, Android

iOS

macOS, Windows

Web Browser Supports Adobe Flash Player Plug-in.

Web Browser Supports Adobe Flash Player Plug-in; Linux based server.

*Coming soon.



DJI ENTERPRISE SUPPORT

Every M200 Series V2 Aircraft will come bundled with DJI's Enterprise Support Program. Activation codes will be available in the dealer portal.

- Free Ground Shipping
- Significantly reduced repair costs
- Enterprise grade service and support



ENTERPRISE SHIELD

M200 SERIES V2 PRICING

M200 V2 Combo: RRP \$6,700

**Crystal Sky or Android Tablet Sold Separately*

M210 V2 Combo: RRP \$9,600

M210 RTK V2 Combo: RRP \$14,500

Dealers must list “call for price” when marketing the M200 Series V2 online.

MATRICE 200 SERIES V2

FAQ

FAQ

Q: Can the M200 Series remote controller be used for the M200 Series V2?

A: No.

Q: What is the operating temperature of the remote controller?

A: The operating temperature is -20°C to 50°C.

Q: What output interfaces does the remote controller have?

A: SDI and HDMI.

Q: What is the resolution of the FPV camera?

A: 608*448.

Q: Can the two downward gimbal cameras be controlled simultaneously on the M210 V2/M210 RTK V2?

A: Yes, you can control the gimbal angles of both payloads and take still photos or videos using both.

Q: Can the upward and downward gimbal cameras be controlled simultaneously on the M210 V2/M210 RTK V2?

A: No.



FAQ

Q: Does the Matrice 200 Series V2 support TB50 batteries?

A: No.

Q: Which formats are supported by the Zenmuse X7 gimbal camera?

A: Still photography: JPEG/RAW/JPEG+RAW. Video: MP4/MOV.

Q: Can I switch the dual downward gimbal connector on the M210 V2/M210 RTK V2 to a single downward gimbal connector?

A: No.

Q: Does the M210 RTK V2 support Post Processed Kinematic (PPK)?

A: Yes, you can access the raw observation data from DJI and third-party payloads and conduct your own PPK processing. This means location data can be corrected using the drone data captured during flight.

Q: Which SDKs are supported by the M200 Series V2?

A: M210 V2/M210 RTK V2 supports the OSDK, PSDK and MSDK. M200 V2 supports PSDK and MSDK.



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