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DJI MATRICE 5T

Always in Its Element

【对折页】_a5_en_.indd 1 2026/10/14 17:44

DJI Matrice 5T takes on emergency response, inspection, surveying, and more. The perception suite [1] and IP55 protection handle harsh conditions. 1K thermal and enhanced night vision reveal detail day or night. Up to 59 min flight time* and relay modes [2] extend reach. Open onboard AI computing and third-party Pilot 2 plugins enable smarter on-site workflows.

1K Thermal Imaging, Enhanced Night Vision

- 1280×1024 thermal imaging with 2K UHR mode
- Full-color wide-angle night vision with a 1/0.98-inch sensor
- Up to 176× hybrid zoom with IR Cut Filter
- 3km laser range finder* and NIR auxiliary light
- Thermal-visible fusion display & split-screen multi-camera view**

Omnidirectional Sensing [3], IP55 Rating

- Standard LiDAR and mmWave radar for wire-level obstacle sensing [3]
- Operates from -20° to 50° C (-4° to 122° F) with IP55 rating
- Omnidirectional visual obstacle sensing [3] & Vision Assist, both in full color
- Built-in ADS-B and RID receivers for nearby aircraft awareness

Open Edge AI, On-Site Intelligence

- Built-in AI models for detecting 20+ target types
- Open onboard computing for third-party AI algorithms
- Works with DJI FlightHub 2 for multimodal object detection

O4 Enterprise Transmission, Multiple Relay Modes [2]

- Up to 40 km video transmission range*
- Adaptive multi-band switching [4] for interference resistance
- Dual built-in Cellular Dongle 2 modules
- Multiple relay modes [2] extend operational coverage

Powerful Propulsion, Extended Flight Time

- Up to 59 min flight time*
- Low-noise, high-efficiency propellers
- Max flight speed of 23 m/s*

Next-Generation Core Accessories [5]

- DJI RC Plus 3 Enterprise remote controller
- High-volume speaker with built-in warning light
- Spotlight with integrated spot and flood lights
- 515W Charging Hub

High-Accuracy Surveying, Rapid Modeling

- Rolling Shutter correction for high-accuracy reconstruction
- 2D thermal mapping with temperature measurement and annotation
- In-flight modeling with fast output on the remote controller
- Supports close-range photogrammetry

Multi-Mission Adaptability, Custom Pilot Plugins

- Automated power line inspection**
- Shipborne takeoff and landing** for maritime inspection
- Third-party plugin support in DJI Pilot 2 for tailored workflows

Scan the QR code for detailed product specifications.

First Year Free:
DJI CARE ENTERPRISE PLUS

Free Repairs Within Coverage Limit, Water Damage Coverage, Flyaway Coverage, Battery Replacement

* All data was tested in a controlled laboratory environment. Actual experience may vary. The 40km transmission range is achieved only under IC compliance. For Europe (CE), the max range is 20 km. See official website for details.
** For usage conditions and precautions regarding certain features, visit the official DJI website.
1. The perception suite includes an mmWave radar, a LiDAR, and a full-color omnidirectional vision system. Refer to the official DJI website for details.
2. This feature is unavailable in countries or regions without 5GHz frequency support. Refer to local laws and regulations for more information.
3. See the official DJI website or user manual for the conditions required.
4. Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.
5. Listed accessories are sold separately.

【对折页】_a5_en_.indd 2 2026/10/14 17:44