

# Matrice 4 Series Sales Pitch

DJI Matrice 4 Series, a new compact and intelligent multi-sensor flagship drone series for enterprise industries. The series includes Matrice 4T and Matrice 4E, each equipped with advanced features such as AI smart detection and measurement with laser range finder. Flight operations are now safer, more reliable, and powered by AI, with significantly enhanced sensing capabilities. The accessories for the Matrice 4 series have also been significantly upgraded.

The **Matrice 4T** is suitable for a wide range of industries, including electricity, emergency response, public safety, and forestry conservation.

The **Matrice 4E** is designed for geospatial applications such as surveying and mapping, construction, and mining.

## Matrice 4E

### 1. M4E Product Advantages for Surveying and Mapping

#### High efficiency:

- **Longer flight time.** The M4E comes with RTK module and has 49 minutes max flight time, compared to M3E with RTK module the effective working time increased by 6 minutes.
- **Multi-directional capture.** 3-directional ortho capture and 5-directional oblique capture, significantly enhance mapping efficiency compared with conventional operating modes. M4E 5-directional oblique will increase 40% efficiency compared with M3E.
- **Stronger flight performance.** The M4E supports a maximum flight speed of 21m/s, and a minimum capture interval of 0.5s.

#### Precision Enhancement:

Distortion Correction 2.0 provides high-precision in-camera distortion correction with residual distortion less than 2 pixels. Each Matrice 4E's wide-angle camera is calibrated before leaving the factory. when used with DJI Terra, it significantly improves reconstruction accuracy.

#### Simple operation:

New Smart 3D Capture function. Remote controller integrates DJI Terra modeling capability, making it possible to generate precise mapping route and capture detailed modeling. More powerful obstacle avoidance allows to complete diversified and complex close range modeling.

## 2. Recommended Application Scenarios with M4E

Scenarios	Advantages	Target Users
Large-scale mapping	Longer effective flight time, Increased efficiency with multi-directional capture; 0.5s interval shooting for high speed mapping	<b>Large-scale aerial surveys customer:</b> Surveying and mapping companies, planning companies, government departments, etc.
Small-scale detailed building modeling	Smart 3D capture and powerful RC Plus 2; No need extra devices for close range mapping route planning; Enhanced obstacle avoidance ensures the drone safety in complex mapping scenarios.	<b>Detailed building modeling customer:</b> Architectural heritage conservation organizations, architectural design companies, fire departments, key targets of digital archiving, etc.
High resolution asset surface inspection	Combined 3 tele cameras for flexible zoom; Smart photo and spotlight for low light photo quality; Vision positioning for low GNSS and confined space scenario operation	<b>Asset surface inspection customer:</b> Building maintenance companies, bridge maintenance companies, power inspection companies, etc.

## Matrice 4T

### 1. M4T Product Advantages for Public Safety and Inspection

**AI Empowered:** Built-in AI model can detect human, vehicles, cars during drone operation, AI computing capability is also open for 3rd party industry application platform development. Laser ranger finder supports precise measurement, including distance range detection and target coordinate measurement, pin point, line drawing, area calculation. Observed view to highlight ground area observe.

**Multi-sensors:** 6 sensors in 1 compact aircraft. including wide camera, medium tele camera, tele camera, laser ranger finder, Infrared Thermal Camera, NIR Auxiliary Light. 112 maximum zoom can see the car plate from 250m away. UHR Infrared Image provides superior thermal image quality. Full-color view and black-and-white view improve the live view quality and clarity in low light environments. Foreground Stabilization and electronic dehazing make inspection image more stable and clear.

**Safer Flight:** Anti - GNSS - Interference and vision positioning enable M4T to operate safely in low - GNSS and low light environment. 25km FCC transmission range.

**Bigger and Smarter RC:** 7.02-inch and 1400 nits RC Plus 2 make it easier for pilot to operate and control aircraft. RC Plus 2 support Pilot 2 APP and FlightHub2 cloud synchronization.

## 2.2 Recommended Application Scenarios with M4T

Industry	Scenario	Advantages
Powerline Inspection	Transmission tower; Distribution line and pole;	Powerline level obstacle avoidance improvement
		Medium tele and tele camera for high quality visual image
		3 different lens camera combination, flexible zoom choice
		Smart photo and spotlight for low light night inspection
		4G enhanced transmission extend inspection range
Public Safety	Law enforcement; Search and rescue	AI assisted human, vehicle, boat smart detection and alarm
		FlightHub 2 remote control, save pilot resource on site
		UHR Infrared Image provides superior thermal quality
		Cruise and observed view reduce pilot RC operation
		Night scene mode and spotlight for night operation
		Pin point and sharing for searching and synchronization
		Speaker for communicating and reminding
		Relay for extending range in mountain scenarios
		Line and area drawing for distance and area calculation
		Infrared camera for high temperature spot detection
		Low noise propeller and discrete mode for special actions
Renewable Energy	Solar panel inspection	Thermal high temperature spot detection Pinpoint for defected panel coordinate with LRF
Oil and Gas	Pipeline inspection	Thermal detection for pipeline, oil stealing monitoring
Forestry	Forestry protection	25km transmission, relay based range extension. Zoom camera and thermal video for fire prevention
Bridge Inspection	Bridge inspection	Vision positioning for low GNSS environment inspection, spotlight for low light inspection, typical under bridge,
Building Inspection	House Inspection	Vision positioning for low GNSS operation among buildings