DJI ENTERPRISE



DJI DOCK 4

Drone Automation & AI for Every Operation

ASSET INSPECTION



SECURITY & EMERGENCY RESPONSE



FIRE MONITORING



SURVEYING



DJI ENTERPRISE

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DJI Dock 4 Overview

DJI Dock 4 is an automated drone docking station for 24/7 remote operations, paired with the DJI Matrice 5TD. The dock completes a battery swap in under 25 seconds, so the drone can be dispatched again for urgent or continuous missions. The DJI Matrice 5TD has wide-angle, telephoto and infrared cameras, rotating LiDAR and onboard AI that detects 17 object types. DJI Dock 4 supports fixed and vehicle-mounted deployment, and the DJI O4 Ground Station extends coverage to complex sites. DJI FlightHub 2 manages task planning, drone dispatch, object detection, data analysis and report generation in one AI-powered workflow.

DJI Dock 4 Key Features

1. 25-Second Battery Swap - 45-second turnaround, 24/7 continuous operations with task relay (urgent and routine missions)
2. One Drone for Every Mission - DJI Matrice 5TD **enables any type of mission** (Security, Inspection, Mapping, Night Operations)
3. Intelligent Obstacle Sensing - Built-in mmWave radar detects 12mm cables up to 40m, rotating LiDAR, omnidirectional color vision
4. AI-Powered Object Detection - Identifies 17 object types to support efficient aerial search and inspection
5. Precision Aerial Mapping - Up to 10 cm Survey Accuracy at 12 MP
6. Outstanding Weather Resistance:
   - IP Rating: DJI Dock 4 IP56 | DJI Matrice 5TD IP55
   - Operating Temperature: -40° to 50° C
   - Waterproof & Dustproof



Super Telephoto Camera
50 MP Effective Pixels • 176× Hybrid Zoom

Thermal Camera
Image resolutions: 1280 x 1024
UHR Infrared mode 2560×2048

Laser Range Finder
Measurement Range: Up to 3 km

Mid-Tele Camera
50 MP Effective Pixels

Wide-Angle Camera
50 MP Effective Pixels

NIR Auxiliary Light
Infrared Illumination · FOV: 5.2°–6.6°

DJI MATRICE 5TD