AUTONOMOUS DRONE-IN-A-BOX · AVAILABLE FOR HIRE

DJI Dock 2 autonomous drone deployment

Drone-in-a-box for on-demand deployment, automated inspection, and remote monitoring.

The DJI Dock 2 is a compact, weatherproof drone-in-a-box system. Once installed, the Matrice 3D or 3TD drone lives inside the dock, charges automatically, and launches on schedule or on demand — with no pilot on site. Captured imagery uploads automatically to DJI FlightHub 2 or a private cloud for processing and 3D modelling.

DRONE-IN-A-BOX SYSTEM



DJI Dock 2

Lightweight · IP55 · 10 km Radius · Cloud-Based

AVAILABLE NOW FROM D2 RENTALS — FUNCTION-CHECKED, COMPLETE, FIELD-READY.

CAPABILITIES & APPLICATIONS

One dock. Continuous coverage. Inspection-grade data, on schedule.

System Capabilities

Drone-in-a-Box · Autonomous · Cloud-Connected

- Lightweight 34 kg dock (without aircraft) — two-person install, compact 570 × 583 × 465 mm closed footprint
- IP55 ingress protection — sealed against dust and low-pressure water jets for permanent outdoor deployment
- 10 km maximum effective operating radius from a single dock location
- 50-minute max flight time / 40-minute hover with the Matrice 3D / 3TD aircraft
- Integrated environmental sensors — wind, rainfall, ambient temperature, water immersion, cabin temperature and humidity
- Aircraft charges 20% to 90% in 32 minutes; backup battery sustains the dock for over 5 hours
- Six-directional obstacle sensing on aircraft; centimetre-grade RTK positioning
- Cloud-based 2D mapping and 3D modelling via DJI FlightHub 2 — no manual data transfer
- Private deployment option via FlightHub 2 On-Premises or third-party cloud through DJI Cloud API
- Third-party payload support — speakers, spotlights, gas detectors via DJI Payload SDK

Applications

Built for repeat-visit, remote, and unattended operations

- Asset inspection — pipelines, refineries, tank farms, processing facilities
- Power and renewables — substations, PV arrays, onshore wind sites
- Construction progress and earthworks volume tracking
- Mining stockpile measurement, perimeter security, haul-road monitoring
- Private security — scheduled perimeter patrols and alarm-triggered response
- Public safety — drone-as-first-responder for emergency services
- Critical infrastructure — bridges, dams, ports, rail corridors
- Gas leak detection with third-party TDLAS payloads
- Fixed and sheltered offshore installations (for exposed marine or vessel-mounted operations, ask about Dock 3)

USE CASES IN DETAIL

From perimeter patrols to scheduled facility inspection.

Private Security & Perimeter

24/7 scheduled patrol of fixed perimeters with thermal and visual sensors. On alarm trigger, operators in a central command centre launch the drone via FlightHub 2, navigate to the incident, and live-stream imagery before personnel are dispatched — reducing exposure and cutting false-alarm verification time.

Oil & Gas Facility Inspection

Scheduled visual and thermal patrols of onshore refineries, tank farms, gathering stations and pipeline corridors. Imagery routes to internal AI platforms via Cloud API for anomaly detection — flagging corrosion, vegetation encroachment and thermal hotspots before they escalate.

Construction, Mining & Infrastructure

Consistent, RTK-positioned repeat imagery on a daily or weekly schedule — supporting progress tracking, BIM overlay comparison, earthworks volume measurement, stockpile inventory, and change detection on bridges, dams and rail corridors.

SELECTED SPECIFICATIONS

DOCK	
Total weight	34 kg (without aircraft)
Dimensions (closed)	570 × 583 × 465 mm
Input	100–240 V AC, 50/60 Hz, max 1000 W
Ingress protection	IP55
Operating temperature	–25 °C to +45 °C
Max landing wind speed	8 m/s
Max operating altitude	4000 m
Backup battery life	> 5 hours
RTK accuracy	1 cm + 1 ppm horizontal
Lightning protection	AC 20 kA, Ethernet 10 kA

AIRCRAFT — MATRICE 3D / 3TD	
Takeoff weight	1410 g (max 1610 g)
Max flight time	50 minutes
Max hover time	40 minutes
Max operating radius	10 km
Max flight distance	43 km
Max wind resistance	12 m/s in flight
Ingress protection	IP54
Obstacle sensing	Six-directional
Wide camera	20 MP (M3D) / 48 MP (M3TD)
Tele camera	12 MP, 162 mm eq., 56× hybrid zoom
Thermal camera (3TD)	640 × 512, ±2 °C
Hover accuracy (RTK)	±0.1 m

Full specification sheet available on request.

WHY RENT THE DOCK 2 FROM D2 RENTALS?

Take your inspection operations to the next level — without the capital outlay.

Renting the DJI Dock 2 from D2 Rentals gives you access to drone-in-a-box automation when and where you need it — for a single campaign, a pilot project, or as a stepping stone before committing to outright purchase.

- **Zero capital outlay** — access drone-in-a-box automation at a fraction of the purchase cost. Pay only for the period it's earning.
- **Plug-and-fly delivery** — dock, drone, batteries, and accessories arrive function-checked, complete, and field-ready.
- **Support options on request** — operational guidance, technical setup, and additional services available alongside your hire to get you flying confidently.
- **Flexible hire terms** — daily, weekly, monthly, or project-duration. Right-sized to your campaign, not ours.
- **UK-wide delivery and collection** — dispatched from Aberdeenshire to anywhere in the UK.
- **Insurance-ready** — we work with your hired-in plant cover to keep your hire compliant and protected.

WHAT DO I NEED TO BOOK A RENTAL?

Provide us with some key documents — then enjoy your hire.

01

Insurance

Insure your rental under a Hired-in (non-owned) equipment cover policy — to the full cost value of the equipment and for the duration of your hire period.

02

Proof of ID

Submit a copy of your passport or driving licence, plus a utility, bank, or council tax statement that matches your name and delivery address.

03

Flyer ID

You need a valid Flyer ID and Operator ID. We don't require proof of drone registration or training (A2 CofC / GVC).

READY WHEN YOU ARE

Available now from D2 Rentals — function-checked, complete, and field-ready.

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