INDUSTRIAL INSPECTION UAV PLATFORM

DJI Matrice 300 RTK proven inspection UAV

The DJI Matrice 300 RTK is the workhorse of industrial drone operations — a battle-tested commercial platform combining 55-minute flight times, multi-payload flexibility, and centimetre-accurate RTK positioning. The default choice for inspection teams that need a reliable, supported airframe with a mature payload ecosystem.

INDUSTRIAL INSPECTION UAV



DJI Matrice 300 RTK

CAPABILITIES & APPLICATIONS

Proven platform. Mature payloads. Dependable data.

Platform Capabilities

Multi-Payload · RTK-Precise · Field-Proven

- Flight time up to 55 minutes with no payload — full-duration mission coverage on a single battery pair
- IP45 ingress protection — operates in light rain and dusty conditions, suitable for industrial site work
- –20°C to 50°C operating temperature — performs reliably across UK and offshore climates
- Maximum 7,000m flight altitude with optional high-altitude propellers
- OcuSync Enterprise transmission — stable HD video link out to 15km (FCC) / 8km (CE)
- Six-direction obstacle sensing and positioning — flight safety in complex inspection environments
- Hot-swappable TB60 batteries — keeps the aircraft powered through extended campaigns
- Multi-payload support — single, dual or triple gimbal mounts for combined RGB, thermal, LiDAR and mapping payloads
- Compatible with DJI Zenmuse H20T, H20N, H20, P1, L1 and approved third-party PSDK payloads
- RTK module integrated — centimetre-accurate positioning for repeatable mission planning and survey-grade outputs
- Smart Controller Enterprise included — bright sunlight-readable display with dedicated commercial software
- Mature ecosystem — extensive documentation, training resources, and proven mission profiles across the inspection industry

Applications

Built for inspection and survey professionals

- Offshore platform and topside inspection — full asset coverage with thermal and visual payloads
- Power line and transmission corridor surveys — long-range deployment for linear infrastructure
- Wind turbine blade inspection — combined RGB / thermal capture in a single sortie
- Pipeline corridor monitoring — repeatable RTK flight lines for change detection over time
- Telecoms tower and mast inspection — close-quarter capture with obstacle sensing engaged
- Public safety and emergency response — rapid deployment with thermal imaging
- Search and rescue — proven cold-weather performance with H20T thermal
- Wide-area photogrammetric mapping — survey-grade outputs with the Zenmuse P1
- Aerial LiDAR survey — point cloud capture with the Zenmuse L1
- Industrial plant and refinery inspection — multi-payload configurations cover RGB, thermal and gas detection in one flight

RENTAL BENEFITS

Hiring this UAV is more cost-effective than an outright purchase — and lets you access a proven, fully-supported inspection platform only when you need it.

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. A2 CofC or GVC strongly recommended given the M300 RTK's weight class and typical BVLOS / commercial use cases.

READY WHEN YOU ARE

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

www.d2-rentals.co.uk · Inverurie, Aberdeenshire