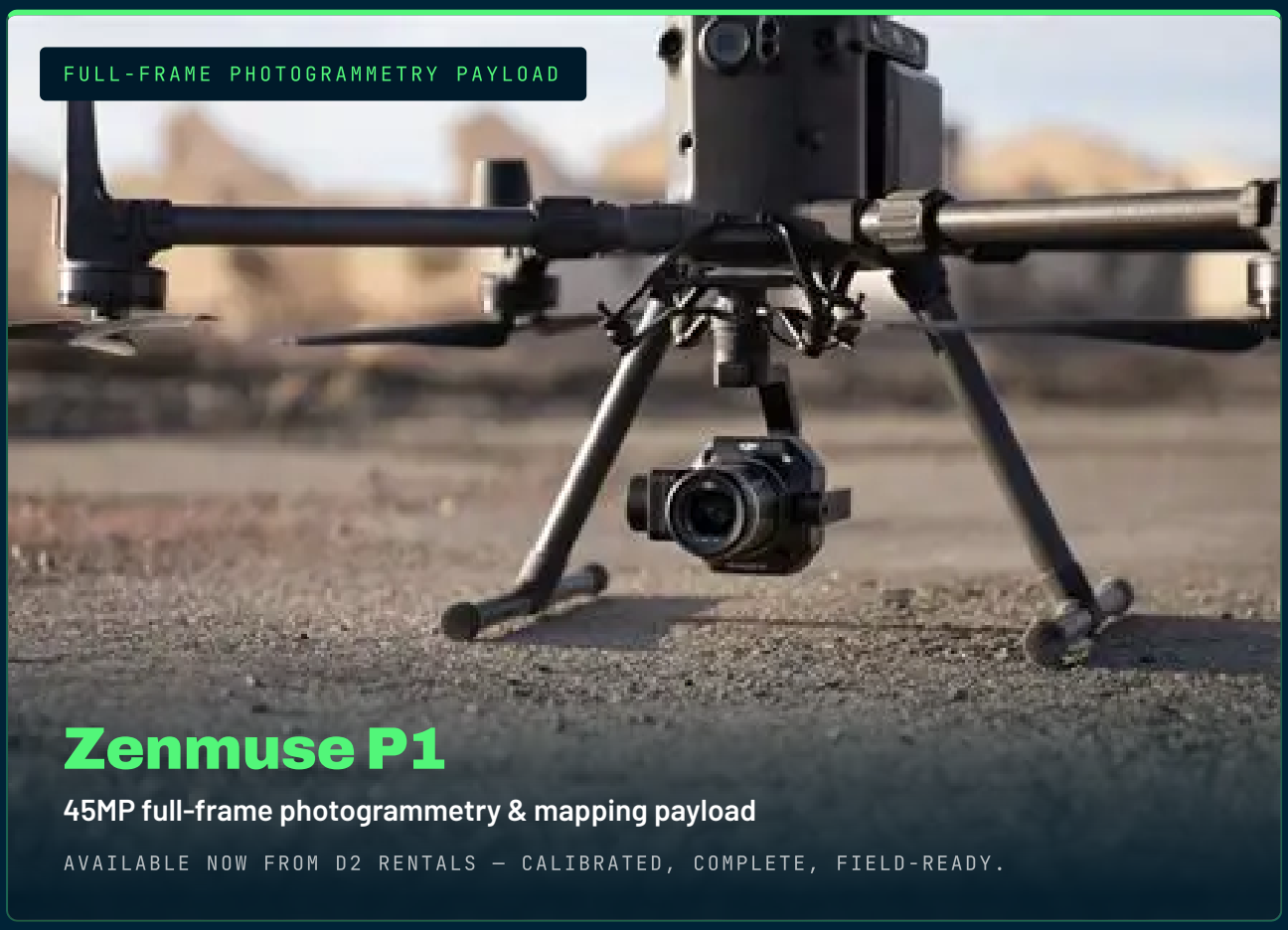
PHOTOGRAMMETRY PAYLOAD & SOFTWARE

Zenmuse P1 payload & software workflow

The Zenmuse P1 pairs a 45MP full-frame sensor with interchangeable fixed-focus lenses — capturing centimetre-accurate aerial imagery in a single flight and feeding a complete photogrammetry workflow that turns raw captures into engineering-ready 2D maps and 3D models.



SOFTWARE & APPLICATIONS

From raw capture to engineering-ready deliverables

End-to-End Workflow

DJI Pilot 2 · DJI Terra · DJI FlightHub 2

- One-click 2D orthomosaic, 3D model, and point cloud reconstruction in DJI Terra from a single image set
- Centimetre-level accuracy without ground control points — 3 cm horizontal and 5 cm vertical
- TimeSync 2.0 aligns the camera, flight controller, and RTK module to microsecond precision for exact geotagging
- Smart Oblique Capture automatically angles the gimbal to gather only the images essential to reconstruction
- Export point clouds, DEMs, and textured 3D models compatible with Terrasolid, GIS, and CAD workflows
- Post-flight mission review in DJI Terra lets you verify coverage and data quality before leaving the site
- Automatic post-flight quality checks — image count, RTK status, and positioning accuracy via DJI Pilot 2

Applications

Built for professionals in every field

- High-resolution topographic mapping meeting 1:500 scale accuracy requirements
- Urban and rural 3D reality modelling with exceptional structural clarity
- Cadastral surveying and land-administration mapping
- Construction progress monitoring and utility infrastructure corridor surveys
- Power line corridor and transport network inspection
- Large-area mapping — up to 3km^2 coverage in a single flight
- Disaster site reconstruction, accident investigation, and geological hazard assessment

RENTAL BENEFITS

Hiring this payload is more cost-effective than an outright purchase — and lets you access the technology 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. We don't require proof of drone registration or training (A2 CofC / GVC).

READY WHEN YOU ARE

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