MULTI-SENSOR PAYLOAD & CAPABILITIES

Zenmuse H30T multi-sensor payload

The Zenmuse H30T integrates wide and zoom cameras, a high-resolution thermal sensor, laser rangefinder, and NIR auxiliary light in a single gimbal — delivering multi-layer inspection data in one flight without changing payload.

FLAGSHIP MULTI-SENSOR PAYLOAD



Zenmuse H30T

Thermal · Zoom · Wide · Laser Rangefinder · NIR

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

CAPABILITIES & APPLICATIONS

Four sensors. One gimbal. Every inspection scenario.

Sensor Capabilities

Thermal · Zoom · Wide · Laser · NIR

- Upgraded 1280×1024 thermal sensor — 4× resolution improvement over the H20T series — with 32× digital zoom and three infrared modes: High Gain for precise temperature measurement, Low Gain for a wider temperature range, and High-Res for observing small temperature differences
- Measures temperatures up to 1,600°C with optional IR density filter — 3× the previous generation
- 40MP zoom camera with 34× optical zoom and 400× digital zoom — 4K UHD video at 30fps
- 48MP wide-angle camera with 1/1.3-inch CMOS sensor and 82.1° DFOV — 4K UHD video at 30fps
- Laser rangefinder with 3,000m maximum range — 2.5× the H20 series — accurate to ±0.2m under 500m and ±1m beyond, with real-time GPS coordinate tagging
- NIR auxiliary light illuminates targets up to 100m in complete darkness
- Night scene mode with full-colour and black-and-white options for low-light operations
- Link Zoom synchronises RGB and thermal cameras in tandem for matched viewpoints
- AI smart detection of vessels, vehicles, and subjects when deployed with the DJI M400
- Compatible with DJI M400, M350 RTK, and M300 RTK (M300 RTK requires DJI RC Plus controller)
- IP54 rated — operates from –20°C to 50°C

Applications

Built for professionals in every field

- Offshore and industrial asset inspection — detect heat anomalies, corrosion, and structural defects at distance without access equipment
- Oil and gas facility monitoring — thermal imaging of pipelines, vessels, and processing equipment
- Search and rescue — NIR light and thermal imaging in GPS-denied or low-visibility environments
- Security and surveillance — night scene mode with 400× zoom for critical infrastructure protection
- Power line and electrical infrastructure inspection — long-standoff thermal inspection of overhead lines and pylons
- Wind turbine and solar panel inspection — identify hotspots and performance loss from the air
- Emergency response — rapid scene assessment combining thermal and visual data streams

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 — function-checked, complete, and field-ready.