MULTI-SENSOR PAYLOAD & CAPABILITIES

Zenmuse H20T multi-sensor payload

The Zenmuse H20T combines wide and zoom cameras, a radiometric thermal sensor, and a laser rangefinder in a single gimbal — a proven, cost-effective payload for routine inspection, public safety, and asset monitoring.

PROVEN MULTI-SENSOR PAYLOAD



Zenmuse H20T

Thermal · Zoom · Wide · Laser Rangefinder

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

CAPABILITIES & APPLICATIONS

Three sensors. One gimbal. Built for everyday inspection.

Sensor Capabilities

Thermal · Zoom · Wide · Laser

- 640×512 radiometric thermal sensor — 30fps, 40.6° DFOV, thermal sensitivity ≤50mK at f/1.0 (NEDT) for accurate temperature measurement
- 20MP zoom camera with 1/1.7-inch CMOS sensor — 23× hybrid optical zoom and 200× max zoom
- 12MP wide-angle camera with 1/2.3-inch CMOS sensor and 82.9° DFOV — 24mm equivalent focal length
- 4K video at 30fps from both wide and zoom cameras
- Laser rangefinder with 1,200m maximum range — accurate to ±(0.2m + D×0.15%)
- Radiometric R-JPEG output for post-flight thermal analysis with isotherms, multiple colour palettes, temperature alarms, and gain modes
- AI Spot-Check automates repeatable inspection routines for consistent data capture across flights
- SmartTrack delivers automated object tracking with auto-zoom
- PinPoint captures real-time coordinates of marked targets; High-res Grid Photo combines a wide-area shot with stitched zoom detail
- Compatible with DJI M350 RTK and M300 RTK
- IP44 rated — operates from –20°C to 50°C

Applications

Built for professionals in every field

- Industrial and infrastructure inspection — heat anomaly detection on pipes, tanks, and electrical assets
- Power line and substation surveys — thermal anomaly detection from safe standoff
- Roof and building envelope thermography — identify heat loss, moisture ingress, and insulation defects
- Wind turbine and solar panel inspection — locate hotspots and underperforming cells
- Public safety and search and rescue — thermal detection of people and vehicles in low-light or dense cover
- Fire service overwatch — locate hotspots and monitor progression during and after incidents
- Site security and surveillance — long-range zoom observation with thermal overlay
- Environmental and wildlife monitoring — non-intrusive thermal detection at distance

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.