



UNMANNED UNITED

OVERWATCH - LR™
COMPARISON OVERVIEW

HOW IS OVERWATCH DIFFERENT?

"Overwatch isn't like other drones
— it's what those other drones wish they were."

Overwatch is a Category II UAS that merges endurance, autonomy, payload flexibility, and battlefield survivability in a way that simply doesn't exist anywhere else in the current market.

Here's how it stands apart:

1. MISSION-CLASS PAYLOAD IN A MID-SIZE FRAME

- **140kg MTOW / 50kg usable payload**
- Competing aircraft in this weight class (if you can even find them) typically offer 10–20kg of payload max.
- Overwatch gives you the mass budget to carry multiple full-scale EO/IR payloads, ELINT suites, comms relays, munitions, or even logistics supplies — in one flight.

Think Group 2 flight profile with Group 4 capability. That's unheard of.

2. 6-HOUR MAX ENDURANCE & MULTI-MODE FLIGHT

- **3 hours on electric hover.**
- Up to 6 hours in hybrid-mode cruise with the GE70 hybrid propulsion module.
- Onboard logic intelligently transitions between hover and cruise based on mission needs.

Most ISR platforms tap out at 45 minutes. Overwatch loiters for lunch.

3. TRUE MULTI-OPERATOR 360° ISR

- The only aircraft on the market with four independent EO/IR camera pods.
- Each camera can be operated by a separate remote user in real time, across different sectors.
- No gimbal switching. No "rotate and wait." You see everything.

This is not a **360° stitched panorama**. This is live, simultaneous, independently targeted ISR.

4. EVERY COMMS STACK... BUILT-IN

Most drones make you choose. Overwatch says: "Why not all?"

- Starlink Gen3 (SATCOM)
- 5G / LTE Dual SIM Cellular
- LOS (Line-of-Sight) C2 radios
- Iridium SatModem
- LoRa (for long-range low-data uplinks)

Whether you're on a mountain, in a cave, at sea, or punching through jamming — Overwatch phones home.

5. CHILD DRONE CARRIER – THE MOTHERSHIP CONCEPT

- Integrated launch and control of up to four FPV drones, deployable mid-flight.
- Remote pilots thousands of miles away can control these child drones via Starlink or LTE.

Send the mothership to the AO, deploy eyes on doorways, under bridges, or through windows — without risking the Overwatch platform. No other UAS does this. Period.

6. EXTREME PROPULSION REDUNDANCY & FAULT TOLERANCE

- Coaxial motor layout with overlapping flight envelopes
- Quadruple-redundant power system
- Intelligent flight controller can re-balance thrust and stabilize after prop loss, motor failure, or battery drop-off
- Designed to recover, not crash

When other drones crash, Overwatch just gets annoyed and flies home.

7. CYBER AND EW SUITE INTEGRATION (optional but unique)

- EW/ELINT suite designed in-house by UU
- Spectrum dominance tools for C-UAS, SIGINT, or soft kill
- Remote penetration capability in 1MHz–6GHz range
- Modularized payload bay means these tools can be hot-swapped or upgraded rapidly

8. BUILT FOR MAINTAINABILITY & DEPLOYMENT

- Designed to break down and stow in ruggedized cases for rapid deployment
- Field-replaceable components
- Easy tool access to key avionics
- Supplied with on-site spare parts cache for frontline ops

9. USA-BUILT, RAPIDLY SCALABLE

- Manufactured and assembled in Florida with vetted supply chain
- Non-ITAR (unless specified), compliant with DoD procurement rules
- Designed to scale via carbon fiber layup or additive manufacturing



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