



WHY WASP?

- Rapid, tactical mobile deployment capabilities
- Supports a wide variety of payloads for communications, video (ISR), and Signals intelligence (SIGINT)
- Simplified launch and control system requires minimal training of operators
- Persistent days-duration flight capabilities
- Evaluated by Army Test and Evaluation Command (ATEC)

WASP

WINCH AEROSTAT SMALL PLATFORM

CAPABILITIES




- Days-duration flight time (72+ hours continuous)
- 40-90 lb. payload at operational altitude
- Up to 1500 feet operating altitude AGL
- Versatile platform for variety of payloads: cameras/ISR, communications
- Tactical, mobile, soldier operated, 2-3 crew
- Self-contained launcher—many host options
- Ship via commercial carrier (LD7 cargo pallet)
- Low Total Cost of Ownership (TCO)
- 8 km human detection, 40 mile communication range

MOBILE, PERSISTENT CAPABILITY FOR ELEVATING PAYLOADS OF INTEREST. EXTENDS STAND-OFF RANGE FOR DETECTION AND COMMUNICATION.

MOBILITY. BETTER LIFT EFFICIENCY. PERSISTENT.

The WASP, Winch Aerostat Small Platform, can be rapidly deployed to accomplish a wide array of aerial missions with limited personnel and simplified operation. The Kingfisher aerostat shape and proprietary wing provide stability in high winds and better lift efficiency than other Helium powered solutions. As a mobile, tactical solution, WASP provides persistent access to altitude for days-duration flight time.

WASP USE CASES INCLUDE:

-  **Commercial** – Traffic monitoring, land survey and management, facilities monitoring and large event security
-  **Military** – Varied missions including communications relay, ISR, force protection, convoy escort
-  **Civil Agency & Law Enforcement** – Border patrol, emergency response



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WASP SYSTEMS

UNIVERSAL PAYLOAD MOUNT



HARRIS 117G



WESCAM MX8

WASP LEVEL 1

- ISR payload with dual sensors, EO+LWIR
- 90mm Varifocal IR at 4.8 degree FOV
- Human detection 2 mi.
- Lightweight, low cost, all-weather
- Kingfisher Aerostat K15N-HC, Net lift: 42 lb., Helium vol: 1300 cu. ft.

WASP LEVEL 2

- ISR payload with dual sensors, HD EO+MWIR
- 155mm IR varifocal lens at 2.75 degree FOV
- Human detection 3 mi.
- Optional laser range finder
- Kingfisher Aerostat K16N-HC, Net lift: 54 lb., Helium vol: 1600 cu. ft.

WASP LEVEL 3

- ISR payload with HD EO+MWIR
- 200mm IR varifocal lens at 1.9 degree FOV
- Laser range finder
- Human detection 4 mi.
- Kingfisher Aerostat K17N-HC, Net lift: 65 lb., Helium vol: 1900 cu. ft.

WASP LEVEL 4

- Wescam MX8 ISR payload with dual sensors, EO+MWIR
- 230mm IR varifocal lens at 2.75 degree FOV
- Common architecture with MX 10, compatible with USG infrastructure/GCS
- Human detection 7.5 mi.
- Kingfisher Aerostat K18N-HC, Net lift: 90 lb., Helium vol: 2500 cu. ft.

WASP BASE SYSTEM

- Versatile platform for variety of payloads (ISR, comms, SIGINT)
- Maintain tactical, mobile deployment
- Universal payload mount for GFE
- Supplied power to payload: 600 watts
- Scalable systems from 30 lb. to 155 lb. net lift

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