ZAT Quad-L

MADE IN USA

Payloads

The ZAT Quad-L supports various payloads, including:

- EO-only camera
- Thermal-only camera
- EO/Thermal combined camera
- Communications relay

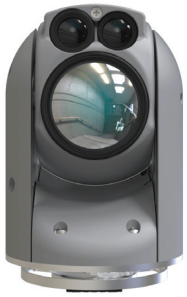
POWER, PAYLOAD, PERSISTENCE

Zenith Aerotech's (ZAT) Quad-L sUAS provides advanced power, payload and endurance over other systems on the market today. ZAT Quad-L is designed and built in the US and is NDAA compliant. The frame and support structures are fabricated from lightweight, high-strength carbon fiber. The design is durable, allows for flexible payloads, and offers an excellent strength-to-weight ratio.

The closed fuselage structure protects internal components from rain and dust. The motor arms and blades are field-replaceable, utilizing a quick release design. Due to its detachable arm design, the ZAT Quad-L allows for easier transport. Quad-L supports tethered operation and various payloads such as communication devices, EO/IR cameras or other custom devices up to 6 lbs.

The ZAT Quad-L platform delivers performance and reliability for mission critical applications.

Gimbal Camera



ZAT Quad offers EO/IR object tracking, geolocation, video compression, IP Streaming, video recording, LTE, and license plate recognition capabilities. EO/IR object tracking points the camera to track a subject within the camera's range, ensuring the subject of interest never leaves the view. Geo location captures the position of the camera, its line of sight, and extracts location of observed objects with unprecedented accuracy. ZAT Quad records high quality video with GPS metadata attached and keeps snapshots to a MicroSD card for simple access and expansion.

- EO Zoom: x40 (x20+x2 digital)
- FOV: 60° WFOV / 3° WFOV / 1.5° DFOV
- Thermal resolution: 640x480 / 1280x720
- Pitch: -45° to +135°
- Yaw: -180° to +180°

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	SPECIFICATIONS
Dimensions (ready-to-fly, motor-to-motor)	100 x 100 x 50 cm
System weight	16 lb. (no payload)
Payload capacity	6 lb. @ 250' tether length
Maximum takeoff weight	22 lbs. (Drone and Payload)
Propeller length	28.2"
Operating temperature	-5 to 120° F
Battery	LiPo
Flight time (standard payload)	Tethered mode unlimited recommend land and inspect every 72 hours
GNSS resolution RTRK	3D FIX: 2.5 m / RTK: 0.025 m
Maximum tilt angle	20 degrees
Maximum vertical speed	36 km/h
Elevation limit	300' tether length (maximum)
Wind resistance	35 mph
Environmental factors	Ability to fly in moderate rain and wind gusts of 30 mph
Operator	Advanced operator control interface

To learn more, visit zenithaerotech.com or call
(540) 456-1147