

US-1 Long-Duration Unmanned Aircraft

The US-1 is a long-duration unmanned aircraft engineered for the demanding first responder mission. The patent pending design integrates the power cells into the airframe, delivering nearly 3X the flight time of imported drones. The aircraft is certified to carry the FLIR Duo® Pro or a higher performance WIRIS thermal and lowlight 30X optical zoom payload. The aircraft is engineered, manufactured and supported in Santa Clara CA.



US-1 AIRCRAFT

78-minute continuous flight with standard payload
External Dimensions: 26" x 26"
Weight: 18.5 lbs Shipping Case 30" x 30" x 18"
Max Speed: 45 mph Wind Gusts: Up to 30 mph
Foldable Shock Absorbing Landing Gear
Battery Type: Lithium Ion Fast Charge: 0-75% 46 minutes
Real time 4G LTE health monitoring
Full 2 Year tip-to-tip warranty
Engineered and assembled in USA



GROUND CONTROL STATION

Professional grade, carbon fiber design
Direct access to key functions
10.5" Samsung Galaxy S5E Tablet display
Super AMOLED daylight screen
Strap or tripod mount
HDMI output for distributed video
No geofencing restrictions in IAGS software
Multiple autonomous mission modes
Auto take off and land



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SPECIFICATIONS

Visible and Thermal Camera Options	Standard Range	Long Range
Manufacturer	FLIR Duo Pro R	WIRIS
Thermal Resolution	640 x 512	800 x 600
Thermal field of view (narrower is better)	25 mm: (FOV = 25° x 20°)	35 mm: (FOV = 21.2° x 16.2°)
Thermal sensitivity (lower is better)	0.05°C (50mK)	0.04 °C (40mK)
Visible camera sensitivity (lower is better)	N/A	0.0008 lux
Visible camera zoom and field of view	56° x 45° No optical zoom	30X Optical Zoom Ultra zoom 2.3° wide 63.7° 129.0 mm – 4.3 mm
Flight Time (typical conditions)	78-minute flight time	70-minute flight time

Specifications subject to change.



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Designed, Engineered and Assembled by
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