

Specifications

Flight Time	24 hours continuous (as long as vehicle is running or plugged into shore power)
Warranty	1-year / 200 flight hours, with optional extended warranty available
Servicing	Over-the-air software updates with auto flight log & service documentation
Log Storage	24 hour capacity, single button-push upload to optional cloud account at the station
Kite	1.2kg (2.6lbs) take-off weight, weather sealed carbon fiber & advanced composites
Cameras	Thermal stream resolution of 320 x 240 / 27 fps. Can measure absolute temperature in range -40°C – 400°C, accuracy $\pm 5\%$. Low-light RGB stream resolution of 1080p (1920 x 1080) / 30 fps / 12 MP / 16x Zoom (0.5x widest – 16x most zoomed).
Ground Station	29kg (65lbs), Rooftop Box configuration size: 764 x 594 x 273 mm (30 x 23.5 x 11 in)
Weather Rating	-10°C to 40°C (14°F to 104°F), IP55, ready to operate in rain, snow, & wind
Range	Max height of 45m (150ft) from the Ground Station
Tether	Reinforced load rated ultra thin cable
LTE Modem & Video Streaming	Ethernet + WPA2 encrypted WiFi access point for live video streaming, plus integrated LTE Modem to stream live video remotely for mutual aid and remote incident command
Safety & Regulations Compliant	No piloting necessary; fully autonomous launching, flight, & landing

Security	Secure video streaming & control link to the ground station via tether cable
Flight Control	Fotokite Autopilot with no GPS dependency
System Reliability	Auto pre-flight system checks, single-motor failure redundancy, controlled descent, backup flight power system for up to 120 seconds, backup ground station power system for control & recovery in power blackouts, redundant flight control, tether separation detection, automatic maintenance alerts
Control Software	<p>Fotokite Live is the Windows App delivered with every Fotokite Sigma to provide important system information and camera video streams into a clean and easy to understand control interface.</p> <p>Fotokite Live's simplicity is a testament to Fotokite's unique technology and public safety focus: The Fotokite Sigma's fully autonomous capabilities allow first responders to easily and safely operate their systems without taking up team resources or increasing operational complexity.</p> <p><u>Fotokite Live is also available for iOS and Android tablets.</u></p>