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 ± 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	9kg (19.85lbs), single carry transport case configuration size: 504 x 352 x 230 mm (19.85 x 13.85 x 9.05 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 ultrathin 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	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. 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. Fotokite Live is also available for iOS and Android tablets.