

SITUATIONAL AWARENESS SYSTEM

by Fotokite



FOTOKITE

AUTONOMOUS, UNRESTRICTED AERIAL SITUATIONAL AWARENESS.

Live stream and document mission-critical aerial views of the scene with total operational freedom. The Pierce® Situational Awareness System by Fotokite tethers to and integrates with the fire apparatus – so there’s no room for FAA restrictions*; no need for a piloting license or certificate of authorization, and no battery life limitations to work around.

With fully autonomous flight, this system does not take away valuable team resources to pilot during an operation and can be taught to any member of a team within a day of training. Control wirelessly inside/outside the truck via tablet or PC. A single button-push rapidly deploys the unit while a backup battery and controlled descent features protect the system from ground power interruptions. Leverage the video stream for thermal surveillance, live transmission to in-transit responders, scene documentation, and critical training.



Specifications

Flight Time	24 hours continuous (as long as truck is running or plugged into shore power)
FAA Compliant	No piloting necessary; fully autonomous launching, flight, & landing
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
Weather Rating	-14°F to 104°F, IP55, ready to operate in rain, snow, & wind
Range	Max height of 150' from base station
Tether	Reinforced load rated ultra-thin cable
LTE Modem Option	Stream live video remotely for mutual aid & remote collaboration
Camera	Thermal stream resolution of 320x256/30fps with 5x EO digital zoom at 720p/30fps
Body Material	Carbon fiber & advanced composites
Flight Control	Fotokite Autopilot with no GPS dependency
Streaming	Ethernet + WPA2 encrypted WiFi access point for live video streaming
Log Storage	24 hour capacity, single button-push upload to optional cloud account at the station
Servicing	Over-the-air firmware upgrades with auto flight log & service documentation
Security	Secure video streaming & control link to the ground station via tether cable
Warranty	1-yr / 200 flight hours

**Requires adherence to FAA facility maps; not to be flown above non-participating persons; operated within visual sight of operator; and operated in a manner that does not interfere with and gives way to any other aircraft.*

www.piercemfg.com



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Specifications, descriptions, and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. All measurements are nominal values.
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P-0139-SASFTKTSS 4/19