




# EASY AERIAL

SMART SECURITY




**EASY AERIAL Reseller**



**MOBILE, DURABLE & MODULAR  
FULLY AUTONOMOUS  
DRONE-BASED MONITORING  
SURVEILLANCE SYSTEMS**



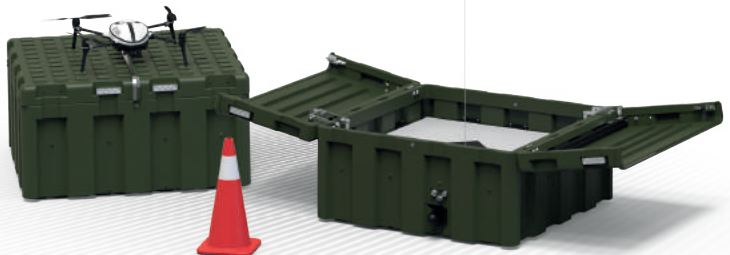




**Easy Aerial is an American aerospace and security company with offices on three continents. We specialize in the development of robotic systems that automate monitoring and surveillance using smart autonomous drones.**

Our primary product is a drone-in-a-box system that can be deployed remotely from anywhere in the world. No drone operator or prior experience is needed to execute a pre-planned or on-demand mission.

Our Smart Aerial Monitoring Systems (SAMS) are produced in the US to the highest standards and are deployed in critical locations on four continents. Easy Aerial's passion for innovation in security drives our design efforts and guarantees that our systems are simple and easy to use.





## PERIMETER SECURITY

*Military Base, Power Plant, Industrial, Airport, etc.*

Easy Aerial provides a fully automated, smart perimeter security solution to easily identify and respond to security threats. A trigger from a sensor on the ground or planned perimeter mission deploys an autonomous drone to a patrol with full HD and thermal view from the aircraft. This kind of input and unique perspective allows the user to make better and smarter decisions faster.



Fully Autonomous Operation



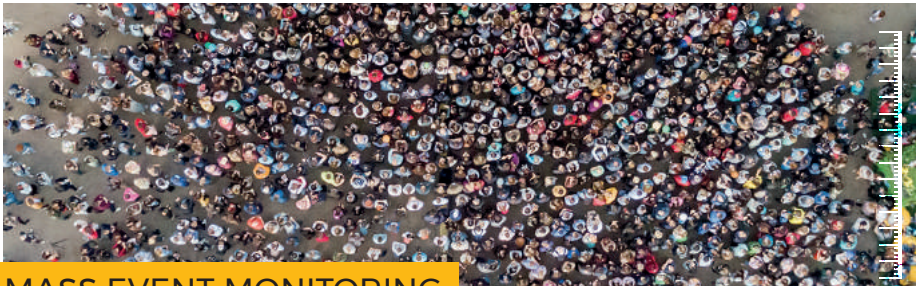
Day / Night Operation



Durable & Weather Resistant



Auto Target Acquisition & Tracking



## MASS EVENT MONITORING

*Sports Events, Concerts, Rallies*

Easy Aerial's systems provide persistent aerial surveillance for crowd control, event monitoring and situational awareness. Our on-demand, quickly deployable eye-in-the-sky provides invaluable intelligence needed to handle any scenario in real time. Smart Aerial Monitoring System - Tethered (SAMS-T) is a portable tethered drone solution that can be deployed from a vehicle.



Fully Autonomous Operation



Tactical & Portable



Continuous Flight



Various Payload Capabilities



## EMERGENCY RESPONSE

*First Responder, Firefighters, Police, Disaster Relief*

When response time is critical and seconds can mean the difference between life and death, Easy Aerial becomes an additional all-seeing team member to emergency responders with our mobile surveillance solution. In just under 30 seconds you can gain unparalleled intelligence about ongoing incidents safely from a birds-eye view.



< 30 Sec.  
Response



Tactical &  
Portable



Fully Autonomous  
Operation



> 12 Hours  
Flight Time



## AGRICULTURAL MONITORING & INDUSTRIAL INSPECTION

*Mines, Harbors, Large Factories*

Our vision is that in a few years a drone will be as commonplace on a farm as a tractor is today. In this setting Easy Aerial helps boost productivity and increase yields through constant production and equipment monitoring while reducing operational costs. We reduce your risk of security breaches and operational disasters.



Preprogrammed  
Scheduled  
Inspections



Easy To Use  
Operation



Extended  
Flight Time &  
Coverage



Hd / Thermal  
/ Multi-spectral



## SAMS

*Smart Aerial Monitoring System*

An advanced, affordable, portable and easy to use autonomous aerial monitoring system that can be configured to meet any need. Drone can automatically deploy from SAMS upon security trigger such as a fence alarm, fire alarm or other distress call.

It also self deploys and recharges for each scheduled mission. Each drone can take off and land in different EG's which allows long range monitoring while recharging at multiple locations.

The system consists of 3 main parts:

- Easy Guard (EG)
- Falcon / Osprey Drone
- Easy Remote Monitoring Software ("ERMS")



# SAMS-T

*Smart Aerial Monitoring System Tethered*

Tethered version is based on SAMS with the addition of a tether line that has advanced data-over-power (DOP) technology.

It allows unlimited flight with ultimate data security. Complete SAMS-T operation including takeoff and landing can be performed autonomously from a remote location without any human intervention on site.

The system consists of 3 main parts:

- Easy Guard Tether (EG-T)
- Alpine Swift / Albatross Drone
- Easy Remote Monitoring Software ("ERMS")



## EG

### *Easy Guard*

Easy Aerial ground station is an independent, automatic, aircraft hangar for takeoff, landing and charging. It features an automated roof opening and closing system and is made from military grade plastic, rendering it mobile, rugged and weather resilient. The Easy Guard is lightweight and portable for easy deployment from ground, structure or vehicle. Two people can carry and mount it using convenient handles on the side.

5 Sec From Trigger To Airborne | Tactical & Portable | Fully Autonomous Landing & Charging | Rugged & Weather Resistant

<b>Dimensions</b>	1.17m x 1.17m x 0.62m (46" x 46" x 24.5")
<b>Weight</b>	90 Kg (198lb)
<b>Charging</b>	35-40 minutes for full drone battery
<b>Cameras</b>	Internal - Drone inspection External - Motion activated



# EG-T

*Easy Guard Tether*

This ground station has the same features as the EG with the addition of a 200 ft. smart tether-line that maintains tension. It supplies constant power and two-way communication to the drone throughout the flight. This enables unlimited flight time at the most communication challenging locations. Just like the EG, the EG-T is lightweight and portable and can be placed in mobile locations, like the roof of an emergency vehicle, or in a permanent spot, like a rooftop. The activation and operation is simple and can be performed on-site or from a remote command center.

Unlimited flight time & < 30 sec  
deployment | Tactical & Portable |  
Fully Autonomous landing & takeoff |  
Rugged & Weather Resistant

<b>Dimensions</b>	1.17m x 1.17m x 0.62m (46" x 46" x 24.5")
<b>Weight</b>	105 Kg (231.5lb)
<b>Charging</b>	Constant Power Supply
<b>Cameras</b>	Internal - Drone inspection External - Motion activated





# POWER GUARD

The Power Guard is an add-on to the EG and EG-T designed to act as a base for EG on the bed of a pickup truck and provide remote electric power. The Power Guard enables 20 full charges of drone battery or 12 hours of continuous tethered flight.

Tactical & Portable | Rugged & Weather Resistant

<b>Dimensions</b>	0.96m x 0.96m x 0.3m (38" x 38" x 12")
<b>Weight</b>	226.7 Kg (500lb)
<b>Charging</b>	100V-240V
<b>Total Power</b>	7,200 Wh



## ERMS

*Easy Remote Monitoring Software*

ERMS is a proprietary software that enables command and control of a single or multiple remotely operated drones, while transmitting high-definition optical and thermal video in real-time. Our software can be securely accessed anywhere and at any time, enabling users to manage missions with one click.

### SIMULATOR

Easy Aerial offers a complete hardware-in-the-loop game-engine based simulator enabling remote training from beginner to expert.

### THE SYSTEM INCLUDES:

- HD video and thermal video feed delivered in real-time
- Intuitive user interface
- Automatic mission planning and real-time manual mission override capabilities
- Smart geo-fencing
- Automatic comprehensive logs
- Ability to accept triggers from any 3rd party alarm software
- Easy integration of output feed into existing monitoring systems



## FALCON & ALPINE SWIFT DRONES

The Falcon drone is the ultimate US military quadcopter. Made from military-grade, weather resistant materials, it is durable, tactical and capable of carrying a wide variety of payloads up to 2kg (4.4lb) in weight.

*\*All EA drones are designed and manufactured in the US*

### FALCON

<b>Weight</b>	3.5 Kg (w/o payload)
<b>Time</b>	45 minutes
<b>Speed</b>	100km/h (62.13 mph)
<b>Distance</b>	13 km (8.07 miles)
<b>Endurance</b>	All Weather (Rain, Snow, Fog)

Encrypted radio communication (LTE for backup possible)

### ALPINE SWIFT

<b>Weight</b>	2.6 Kg (w/o payload)
<b>Time</b>	Unlimited
<b>Capacity</b>	up to 2.5 kg
<b>Endurance</b>	All Weather (Rain, Snow, Fog)

Includes an internal battery for emergencies.  
Communication over the power line (DOP).





# OSPREY & ALABTROSS DRONES

The Osprey hexacopter is a uniquely designed drone with motor redundancy and increased reliability. The hex configuration makes this frame ideal for carrying larger payloads up to 3.0kg (6.6lb).

*\*All EA drones are designed and manufactured in the US*

## OSPREY

<b>Weight</b>	5.5 Kg (w/o payload)
<b>Time</b>	55 minutes
<b>Speed</b>	100km/h (62.13 mph)
<b>Distance</b>	20 km (12.4 miles)
<b>Endurance</b>	All Weather (Rain, Snow, Fog)

Encrypted radio communication (LTE for backup possible). Six motors; Can continue stable flight after motor fail.

## ALBATROSS

<b>Weight</b>	3.0 Kg (w/o payload)
<b>Time</b>	Unlimited
<b>Payload Capacity</b>	up to 3.5 kg
<b>Endurance</b>	All Weather (Rain, Snow, Fog)

Includes an internal battery for emergencies. Communication over the power line (DOP).



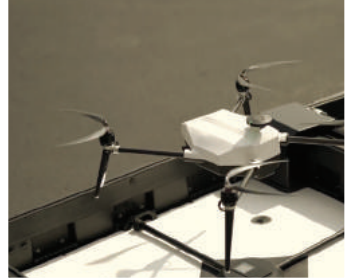
# CUSTOMIZED SOLUTIONS FOR YOU

Our proprietary systems are fully customizable and modular. This enables us to use our expertise and knowledge to tailor the right package for you!

In addition, our versatile software can integrate with any security and C2 systems to enable easy and intuitive operation.

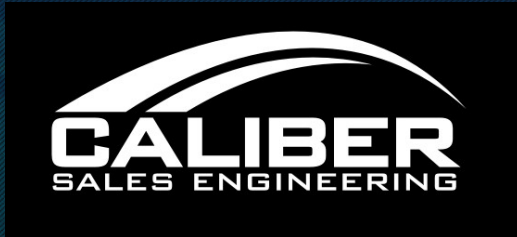
We can customize our solution to almost anything, from multiple payloads and telemetry to additional accessories such as flashlights or speakers.

**Have something in mind? We will make it happen!**





Easy Aerial is an American company comprised of highly motivated, agile engineers on a mission to provide efficient high-quality, affordable robotic security. We are conveniently located in the Brooklyn Navy Yard, where we design and manufacture our all-American drone systems.



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