



FOTOKITE

About Us

- Zurich, Switzerland based robotics company founded in **2013**
- **US & EU** operations
- Team of **50** international minds
- **We** do manufacturing, sales, product support, mechanical engineering



Los Angeles Fire Department, US



Paris Fire Brigade, France



New York Fire Department, US



Zurich Fire & Rescue, Switzerland



Chicago Fire Department, US



Milan Fire Brigade, Italy



City of Ottawa Fire Service, Canada



Geneva Fire & Rescue, Switzerland



Cornwall Fire & Rescue, UK



Innherred Fire & Rescue, Norway



ENGINEERED FOR
URBAN ENVIRONMENTS



Product - USP

Reliable



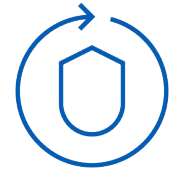
- **IP55** weather independent
- **GPS** independent
- **24+** hour flight time
- Day/night operations
- **Dual** video recording & **16X** zoom

Simple



- **Single** button deployment (within 15 seconds)
- **Autonomous** flight
- Simple to use **interface**

Safe



- **Emergency** batteries in Kite and ground station
- **Single-motor** failure redundancy

Fotokite	Features	Traditional Drones
Batteries not necessary. Flies over 24h (unlimited as long as hooked up to power)	 Battery	 20~30 Minutes. Batteries need to be changed
Safety. No piloting or extensive training necessary	 Pilot	 Requires experienced pilot with license to operate safely, even in simple environments.
Save team resources (time x manpower). Flies autonomously after start	 Team Resources	 Requires 1 pilot and 1 drone monitor throughout a deployment.
IP55 weather rating. Deployable in rain, snow and wind	 Weather	 Usually not deployable in harsh weather conditions. Risk of malfunction and crash.
GPS independent = no interference issues. Tether acts as secure data and control channel	 Interference	 Loss of GPS signal possible. Fly-away/Crash risk with signal loss.
Deployable within seconds upon arrival on scene. First response solution	 Set-Up Time	 Requires long preparation and set-up period
Always positioned over ground station however, flies autonomously	 Free Flight	 Can be flown freely over longer distances



Use Cases



Traffic Management



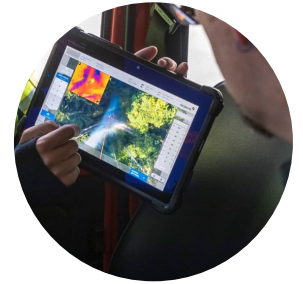
Post Fire Inspection



Fire Response & SAR



Police



Security

Fotokite in the Field



Fotokite Sigma real-life deployments

19.08.2023 Zurich Street Parade 2022,
Switzerland
Large Event / Crowd Management over
900,000 people.

Partnering with Lesswire and SESA, Fotokite supported the Zurich KAPO (Police) during the parade.

Local TOC (Tactical Operations Center) was put in place with 2 Fotokites strategically positioned on rooftops to monitor the crowds. Remote control was enabled.

The Fotokite Sigma flew nonstop for 24h

[Source](#)





Fotokite Sigma real-life deployments

19.11.2022 **Fire response**, Oklahoma City, USA

Same day after their Fotokite Sigma training, the OKC Fire Department was called on a major fire.

The Fotokite Sigma was immediately deployed to stream a continuous aerial video of the emergency scene.

OKC Fire Department now owns 6 Fotokite Sigma systems.

[Source](#)



Fotokite Sigma real-life deployments

01.03.2023 in Vuisternens-en-Ogoz, Switzerland

Large fire in a industrial **Cheese factory**, involving near 100 Firefighters and Police

ECAB Fribourg team deployed the Fotokite Sigma for +12h and helped coordinate the operations with Live Video Streaming to the Tactical Command Vehicle.

No casualties but the building and 15,000 cheese wheels went up in smoke

[Source](#)





FOTOKITE

Dual video feed: Thermal & Low light RGB



Fotokite at the traffic accident scene helps gain aerial situational awareness



Fotokite during forest fires helps locate people / team members











Fotokite Sigma System

- Ground station & Kite
- Command tablet
- 24/7 support
- Data plan
- Warranty
- Cloud service

Command tablet
Fotokite Live SW



Kite
1.2kg



Tether
45m

Ground Station



Fotokite Live

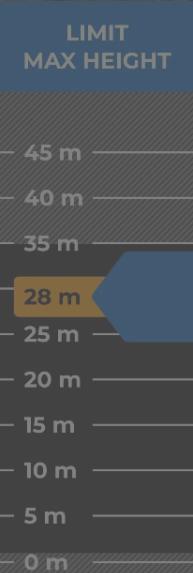




System fkG015
Internet 4G

Tablet Fotokite XC
Kite

Date Nov 10 2021
Time 14:00



LIMIT MAX HEIGHT

START/LAND button



TAKE PHOTO

SCAN THERMAL



SEND FEEDBACK



System fkG015
 Internet 4G

Tablet Fotokite XC
 Kite

Date Nov 10 2021
 Time 14:00

NOW

5'

10'

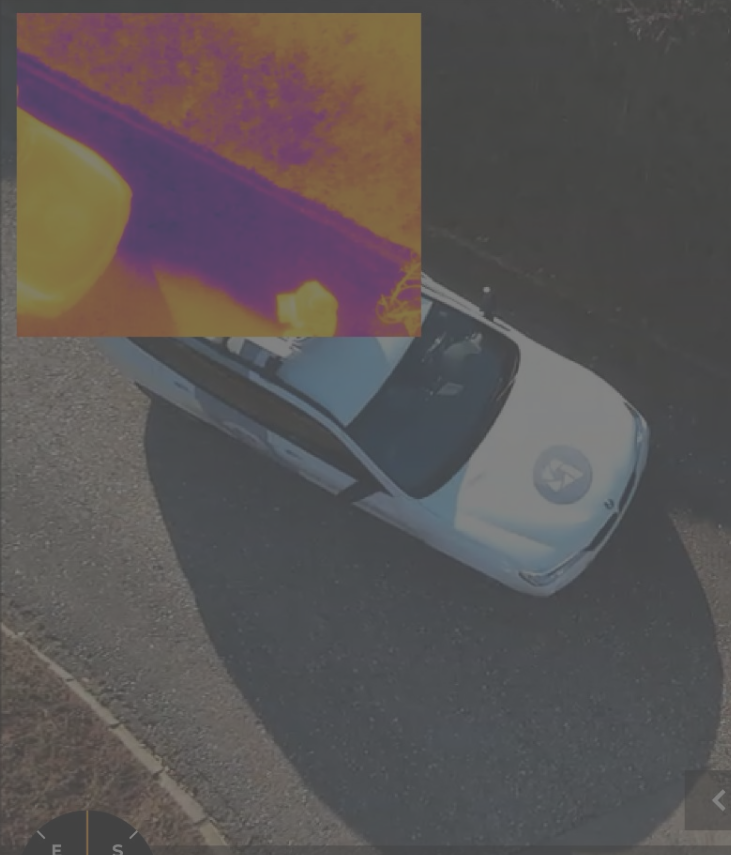
15'

20'

25'

30'

START LIVESTREAM



Height Slider

LIMIT MAX HEIGHT

45 m

40 m

35 m

28 m

25 m

20 m

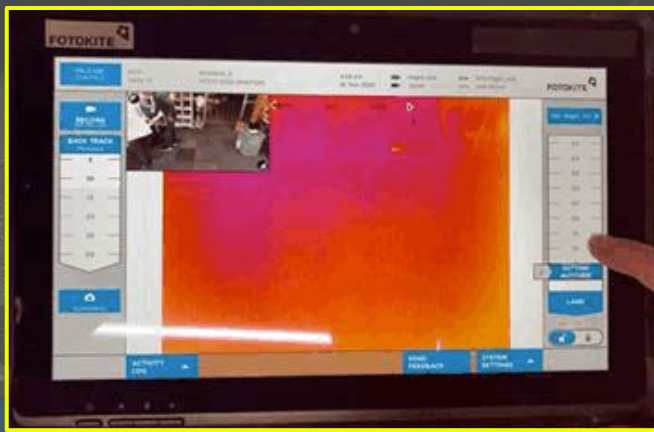
15 m

10 m

5 m

0 m

LAND



TAKE PHOTO

THERMAL

FEEDBACK



System fkG015



4G

Tablet



Fotokite XC

Date Nov 10 2021

Internet

Kite



Time 14:00

FOTOKITE



RGB video feed



NOW

5'

10'

15'

20'

25'

30'

START LIVESTREAM



TAKE PHOTO

SCAN THERMAL



SEND FEEDBACK

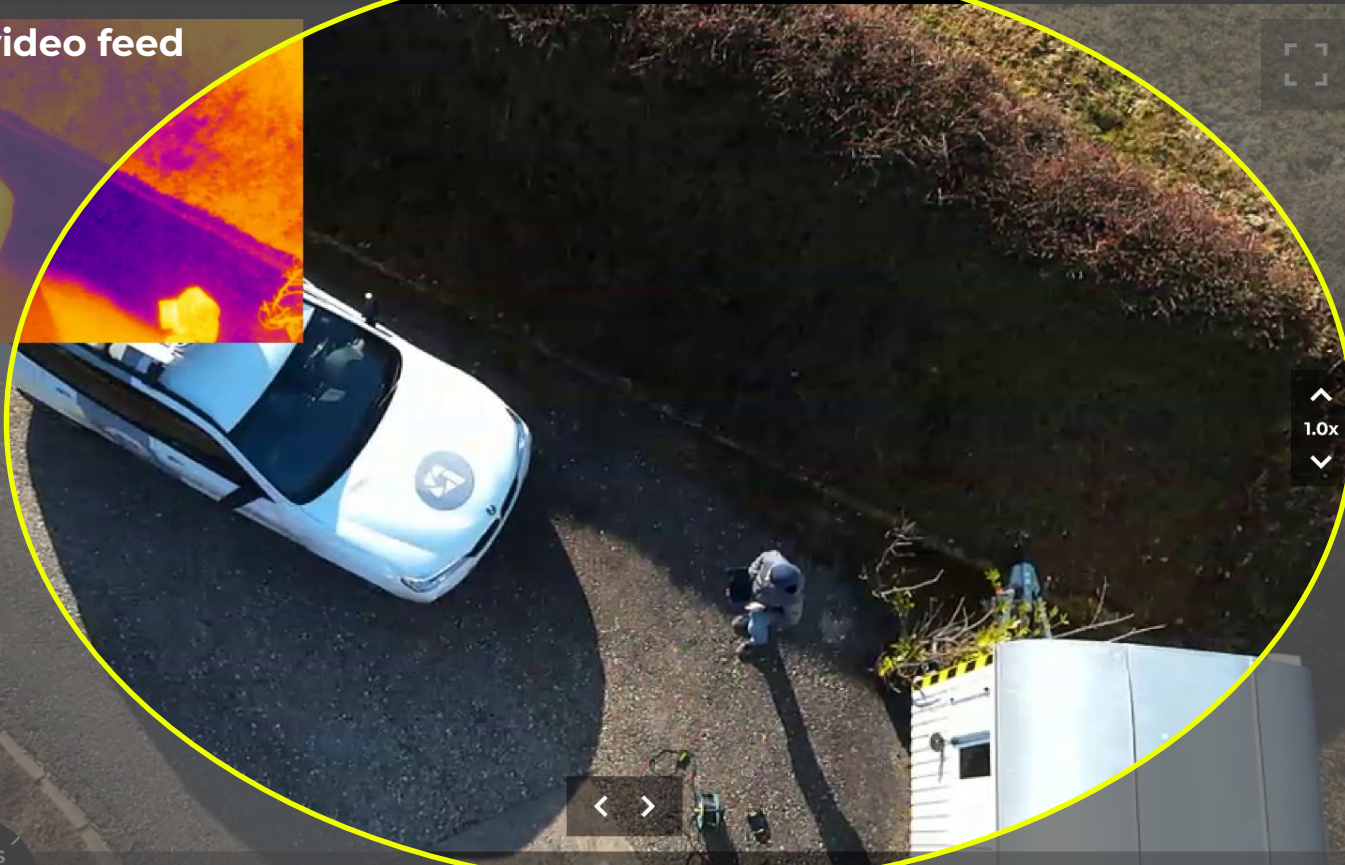


LIMIT MAX HEIGHT

- 45 m
- 40 m
- 35 m
- 28 m
- 25 m
- 20 m
- 15 m
- 10 m
- 5 m
- 0 m

LAND

1.0x





System

fkG015

Tablet



Fotokite XC

Date Nov 10 2021

Internet



4G

Kite



Time 14:00



LIMIT
MAX HEIGHT

45 m

40 m

35 m

28 m

25 m

20 m

15 m

10 m

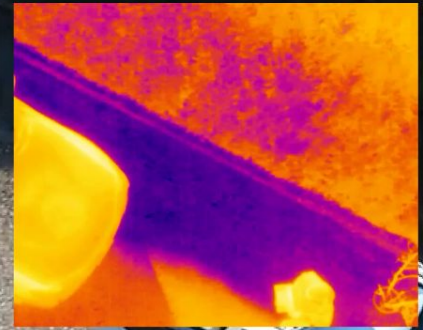
5 m

0 m

LAND

1.0x

FLIR Thermal video feed



NOV

5'

10'

15'

20'

25'

30'

START
LIVESTREAM



TAKE
PHOTO

SCAN
THERMAL



SEND
FEEDBACK



System fkG015

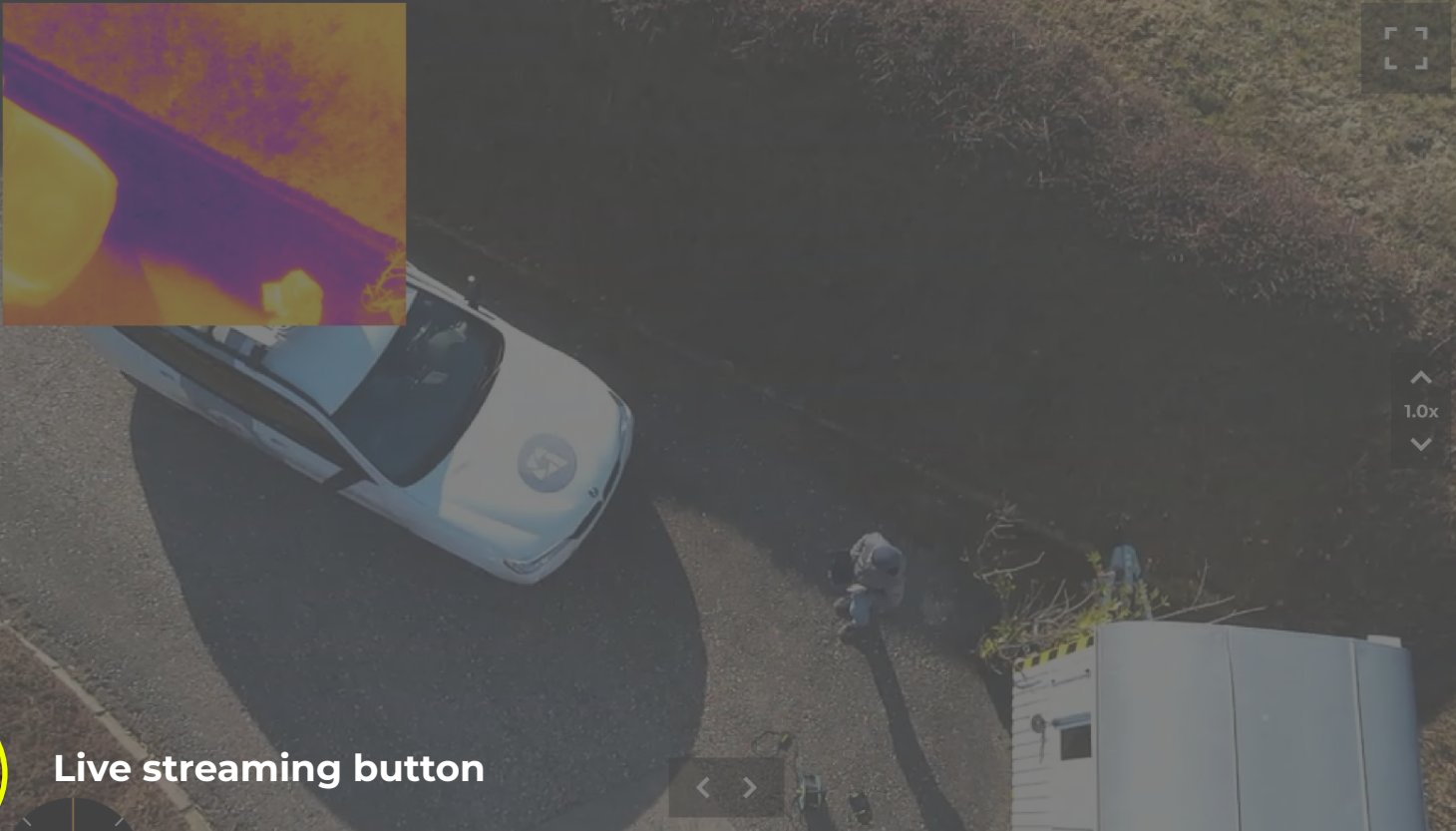
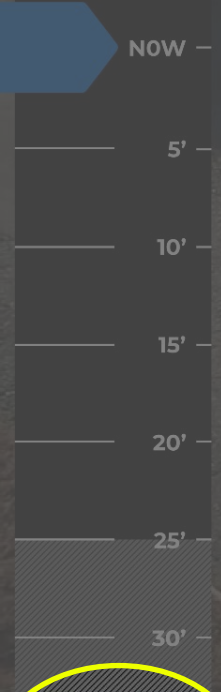
Tablet Fotokite XC

Date Nov 10 2021

Internet 4G

Kite

Time 14:00



LIMIT MAX HEIGHT

45 m

40 m

35 m

28 m

25 m

20 m

15 m

10 m

5 m

0 m

LAND



1.0x



START LIVESTREAM

Live streaming button



TAKE PHOTO

SCAN THERMAL



SEND FEEDBACK



System fkG015

Tablet Fotokite XC

Date Nov 10 2021

Internet 4G

Kite

Time 14:00



NOW

5'

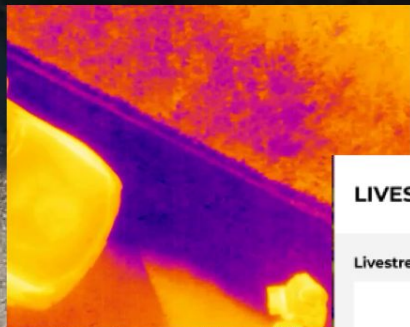
10'

15'

20'

25'

30'



LIVESTREAM (1 watching) ✕

Livestream is available at

live.fotokite.com/rooms/room

Code

A 4 D 3 3 F

Tap to enlarge

STOP LIVESTREAM



LIMIT MAX HEIGHT

45 m

40 m

35 m

28 m

25 m

20 m

15 m

10 m

5 m

0 m



1.0x

LAND

START LIVESTREAM



TAKE PHOTO

SCAN THERMAL



SEND FEEDBACK



System fkG015
Internet 4G

Tablet Fotokite XC
Kite

Date Nov 10 2021
Time 14:00

NOW

5'

10'

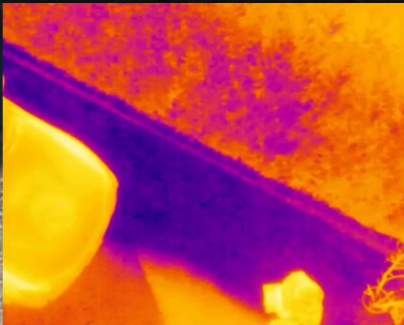
15'

20'

25'

30'

START LIVESTREAM



LIMIT MAX HEIGHT

45 m

40 m

35 m

28 m

25 m

20 m

15 m

10 m

5 m

0 m

LAND

CAMERA TOOLS

<p>Camera Preview</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Thermal Picker</p> <p><input type="checkbox"/> <input type="checkbox"/></p>	<p>Thermal Max Temperature</p> <p><input type="checkbox"/> <input type="checkbox"/></p>	<p>Thermal Overlay</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>Thermal Color Scheme</p> <p> <input checked="" type="checkbox"/> Corner <input type="checkbox"/> Center <input type="checkbox"/> White hot <input type="checkbox"/> Black hot <input type="checkbox"/> Rainbow <input type="checkbox"/> RainHC <input type="checkbox"/> Ironbow </p>
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TAKE PHOTO

SCAN THERMAL



SEND FEEDBACK



DEMO
DT Research

Release System ID: 1100848_3
Tallant ID: 021115-017E (MAY1750)

- RELEASE CONTROL
- RECORD
- BACK TRACK
Minutes
- 5
- 10
- 15
- 20
- 25
- 30

Screenshot

ACTIVITY LOG



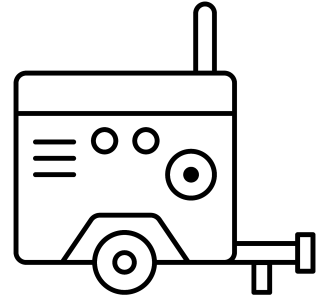
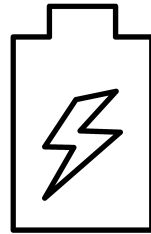
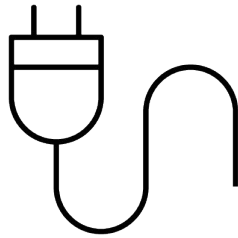


FOTOKITE



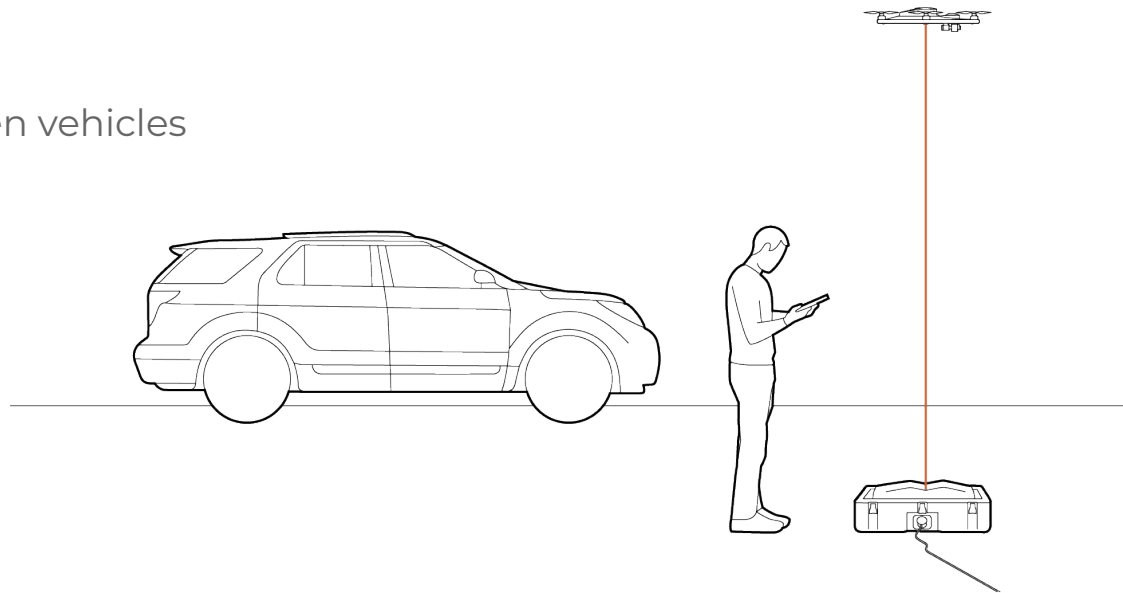
Powering Options 500W/h. Peak at 500W.

- Running vehicle
- Generator
- Power plug
- Battery pack



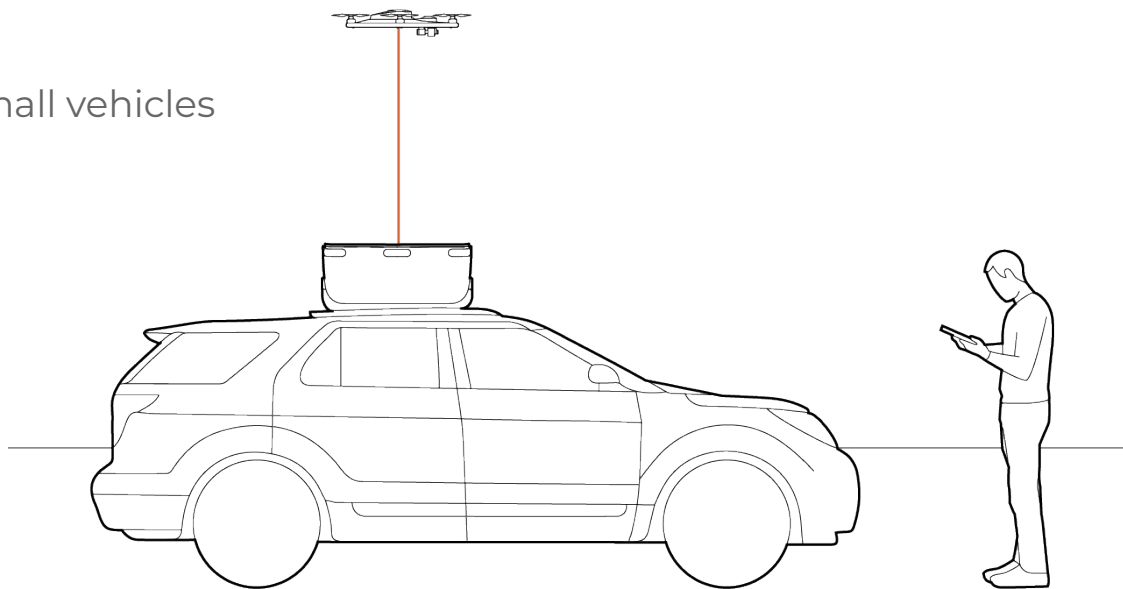
Transport Case

- Flexible mobile solution
- Interchangeable between vehicles
- Flexible positioning



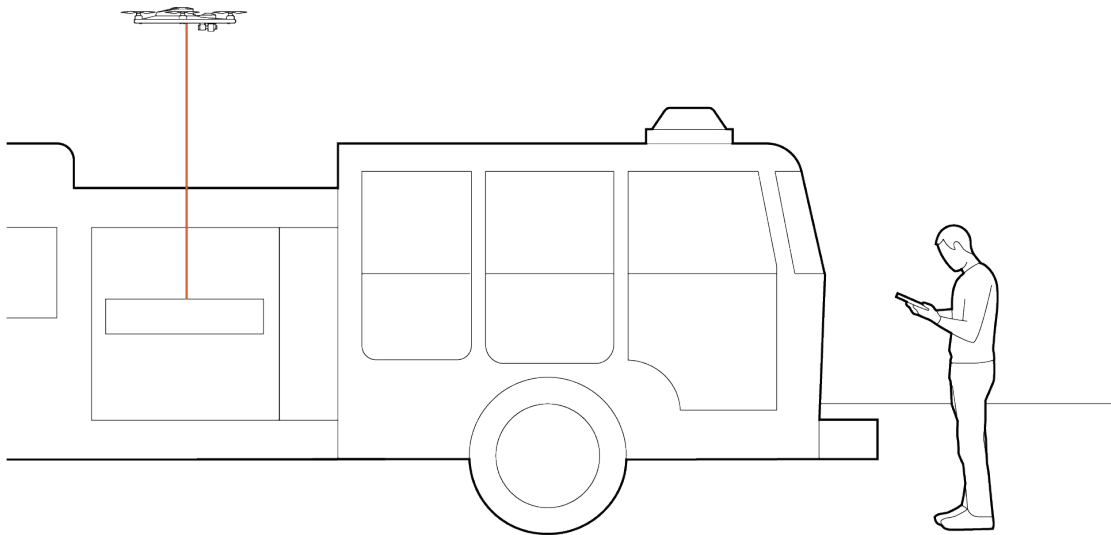
Rooftop Box

- Solution for large and small vehicles
- Instant deployment
- Powered by the vehicle



Tray Mount

- Integral part of the fire vehicle
- Powered by vehicle
- Near instant deployment, once parked





FOTOKITE