



# CAPE FOR FIRE AND EMERGENCY SERVICES DRONE VIDEO & FLIGHT CONTROL SOFTWARE

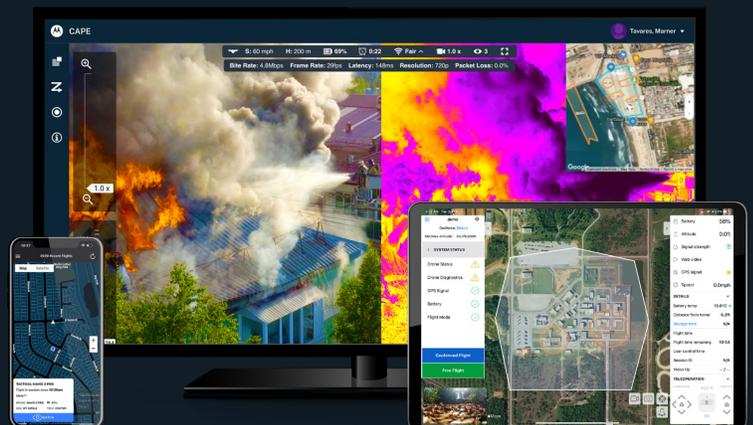
Increased visibility and access to real-time actionable intelligence in emergency situations can mean the difference between life and death. This is why fire, rescue and EMS teams are incorporating drones, or unmanned aerial vehicles (UAVs), into their standard operating procedures. Emergency response teams equipped with drone technology rapidly make informed decisions from a safe distance — ultimately reducing injuries and saving lives.

From hazmat assessment to significant fire events such as a building collapse, plane crash or wildfire, having complete size-up of a scene is critical to understanding containment and any additional hazards before approaching. When using drones, firefighters quickly gain visibility that would usually take several hours to assess, with resources a fraction of the cost of helicopters to operate.

CAPE is a drone flight control software platform that facilitates local and remote piloting, live streaming to anywhere in the world and evidence-grade video management. By integrating CAPE-equipped drones into daily workflows, fire and EMS teams can make life-saving decisions, improve operational efficiencies and get eyes on the scene 50%<sup>1</sup> faster.

**50% FASTER**

Drones arrive 50%<sup>1</sup> faster on average than mobile units responding to the same incident.



# TELEPRESENCE & VIDEO STREAMING DESIGNED FOR EMERGENCY RESPONSE

CAPE is a scalable, subscription-based solution for remote drone operation, live video streaming and evidence capture. The software brings mission-critical control to your unmanned aerial system. Whether your department is just getting started with your first drone or pursuing an advanced drone-as-a-first-responder (DFR) program, CAPE has all the tools you need to successfully get up and running.

## GAIN SITUATIONAL AWARENESS FASTER

Rapidly deploy drones on scene and stream real-time, high-quality video to give teams increased situational awareness. With complete aerial visibility, first responders can make faster, more informed decisions to improve outcomes.

## MAKE INFORMED DECISIONS — EVERY TIME

Get expert eyes on the scene in real time with the ability to operate drones remotely over a secure internet connection. By putting the right expert in control, teams can better capture the intelligence needed to ensure more precise decision making and improve the safety of responding fire and rescue personnel.

## EQUIP FIRE INVESTIGATORS WITH QUALITY EVIDENCE

Store high-quality images and videos for use as evidence. Content from a drone's SD card is automatically uploaded and stored in a secure cloud platform. This immediate upload eliminates the need to remove and inventory SD cards after each flight.

## LEVERAGE DRONES AS FIRST RESPONDERS

Integrate drone technology into emergency response workflows. When drones arrive at the scene first, command centers can better identify and dispatch resources, sometimes even clearing calls without ever dispatching a team.

## OBTAIN FAA AUTHORIZATION

Simplify the FAA approval process and ensure compliance with built-in safeguards, including object avoidance, safety geofences and emergency mitigations that confidently handle complex flights with operations in restricted airspaces. Many customers have successfully received full FAA approval for DFR operations by incorporating these CAPE safeguards into their Risk Mitigation and Emergency Procedure policies.

### SITUATIONS WHEN CAPE CAN HELP

- Search & Rescue
- Fireground Assessment
- Hotspot Identification
- Traffic Accident Evaluation
- Hazardous Material Detection
- Swift Water Response
- Natural Disaster Assessment
- Training Observation



# HOW IT WORKS



CAPE supports a growing list of drones allowing your department to select the hardware that best fits your unique needs and budget. Three software applications power CAPE:

**PILOT:** Enables safe drone operations for UAV pilots in the field from a tablet.

- Ultimate control of UAV with manual override ability
- Geofencing for obstacle avoidance
- Automatic return to home when needed
- Automatic flight data upload to cloud

**COMMAND:** Enables control from your command center with any keyboard, mouse, and a Chrome web browser.

- Remote semi-autonomous operation of drone, cameras, and sensors
- Predefine locations and routes
- Stream and manage video

**WATCH:** Enables viewing in real time from any mobile device for the whole team.

- Securely view live video streams from anywhere with very low latency
- Receive alerts regarding live flights
- View UAV location updates

## REQUIRED FOR USE



### DRONE

The list of compatible drones is growing. DJI & Parrot drones with various payloads are currently supported.



### CHROME WEB BROWSER

Log into CAPE Command from Chrome to view and control drone operations remotely from anywhere.



### TABLET

An iPad and the CAPE Pilot app are required to pilot the drone on site.



### IOS OR ANDROID DEVICES

Live-stream video can be viewed from any mobile device from the CAPE Watch app.

## GET STARTED TODAY WITH TLOS

CAPE Aerial Telepresence™ Line of Sight (TLOS) mode allows you to integrate drones into daily operations right away while developing a complete DFR program.

With TLOS mode, the pilot in command can launch a drone from anywhere and give the command center control as long as the drone remains within the pilot's line of sight.



<sup>1</sup> <https://www.linkedin.com/pulse/how-reduce-your-911-response-times-50-save-lives-todd-radulski-1f/>

For more information about CAPE, contact your Motorola Solutions representative or visit: [motorolasolutions.com/cape](https://motorolasolutions.com/cape)



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. [motorolasolutions.com](https://motorolasolutions.com)

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