

# Milestone Certified Solution - Mobile Surveillance



## SYNOPSIS - SOLITON SYSTEMS & MILESTONE SYSTEMS

Video surveillance across the world is growing exponentially and its major application is in both Public Safety and Law Enforcement. Traditionally surveillance provides live streams only from fixed cameras situated in what is considered strategic locations. But they are limited in what they can see given by their very definition of being "fixed".

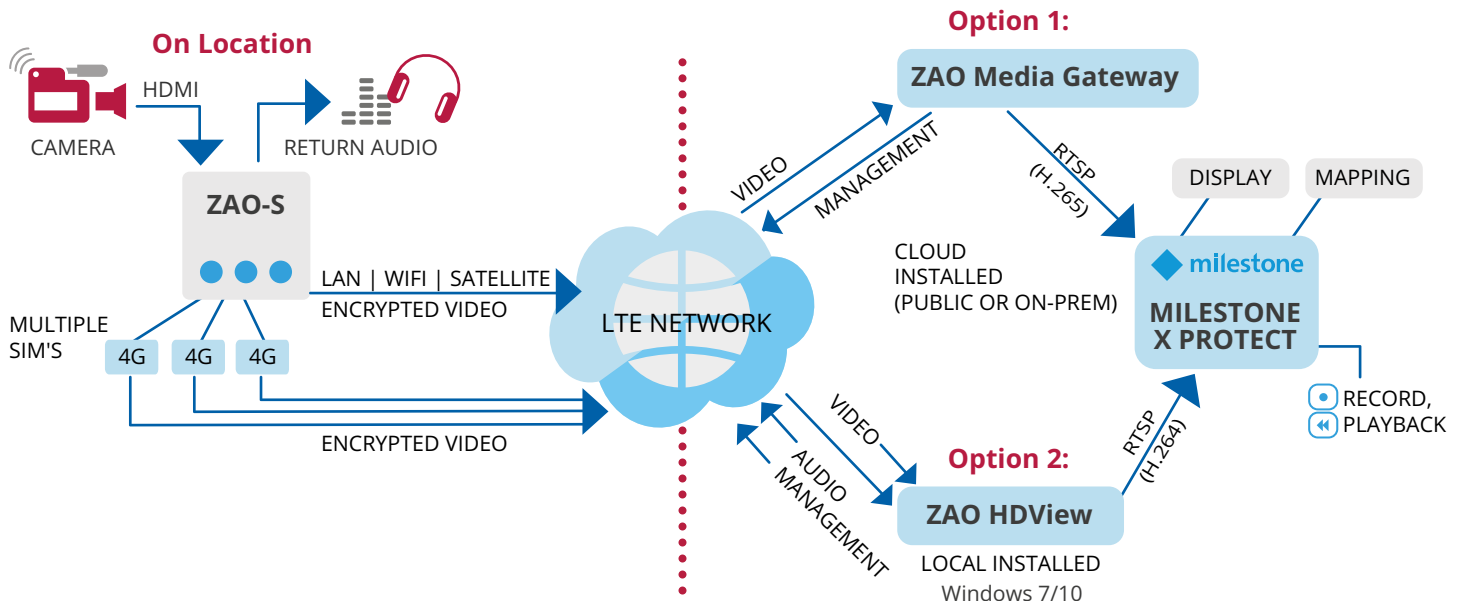
The future of video surveillance includes the deployment of more mobile video surveillance initiatives. Instead of fixed cameras, this is the ability to live stream from mobile devices on the move such as body worn cams, drones, motorbikes, cars, helicopters and in some cases, even dogs!

The advantage of mobile surveillance is that the camera can go to where the action is, rather than relying on the action going to where the camera is.

## SOLUTION

Soliton's Zao-S product is a miniature H265 HEVC encoder that can live stream over multiple cellular 3G and 4G networks, direct from a mobile camera. It can live stream a fully encrypted HD video stream back to a command centre from remote locations using the cellular network, with a latency of less than 1 second delay end-to-end.

## MOBILE SURVEILLANCE



Milestone's Xprotect video management software (VMS) is powerful and easy to use platform with a wide array of features for basic to advanced surveillance needs. It can select, monitor and record incoming streams and allows organisations a secure and scalable platform for managing all their CCTV needs.



## USER CASE SCENARIOS

**Drones** – Live stream from drones for example for missing people or rescue missions, is much more cost-effective than deploying helicopters.

**Video Surveillance Vans** – Live streaming for crowd control and public safety.

**Cars & Motorbikes** – Live streaming for Public Safety, high speed pursuits or facial recognition exercises.

**Helicopter** – Live stream without the need for traditional RF technology and line-of-sight requirements.

**Special Operations** - Live stream high quality full broadcast HD video from body cams such as raids or covert surveillance with very low latency.

**First Responders** – Live streaming up close and personal for emergency personnel including ambulance, police and fire departments.

**Fire Departments** – Ability to live stream from mobile telephones that support thermal cameras back to a command centre using a separate smart phone app (Zao Android App) from Soliton.

**Broadcast** – News gathering teams, sports productions, live church services, and other live events.

## ABOUT

### SOLITON SYSTEMS

Soliton Systems, a Japanese technology company, has their mobile transmitters deployed with law enforcement and first responders across the globe. Their ability to provide secure, full HD quality and highly reliable video streaming within a small unit, has made them a favourite choice with many companies and government agencies. For more information on Soliton please refer to their website at [www.soliton.com/solutions/public-safety-broadcasting](http://www.soliton.com/solutions/public-safety-broadcasting)

### MILESTONE SYSTEMS

Founded in 1998, Milestone Systems is a world-leading provider of open platform IP video management software (VMS), dedicated to deliver high quality business video platform software, in which our community of hardware and software partners can integrate their video solutions for security and beyond security purposes. Our objective is to improve our community customers' organizational processes and safety level through the management, integration and distribution of digital video data. [www.milestonesys.com](http://www.milestonesys.com)

## Technical Specifications

### Zao S

**Video Encoder:** H265 HEVC

**No of SIMs':** up to 3 plus LAN port

**Weight:** 400 gram (including internal battery)

**Video Format:** 720p / 1080i / 1080p

**Networks:** 3G, 4G LTE, WiFi, ethernet, KSAT, BGAN

**Error Connection:** ARQ Packet sort

**Encryption:** AES 256bit

**Dimension (mm):** 77 x 123 x 35  
Includes bag, external battery and cables

**Internal battery:** 45-60 mins

**External Battery:** 3-4 hours

**Power Source:** 14.8V

### Streaming App for SmartPhone

- iPhone and Android

### Zao Media Gateway (Decoder)

- Cloud based or installed at command centre
- **ONVIF Compliant**
- Up to 12 channels
- **Output:** RTMP/RTSP (H265), NDI
- **Device Pack:** XProtect release from 9.9.



Soliton Systems Europe N.V.

Jachthavenweg 109-A, 1081 KM Amsterdam, The Netherlands | +31 (0)20 280 6060 | [emea@soliton.com](mailto:emea@soliton.com) | [www.soliton.com](http://www.soliton.com)

2020 © All information herein was carefully gathered and examined, however, Soliton Systems cannot be held responsible for mistakes or incompleteness of content. Soliton Systems may change or modify parts at any time without notification and accepts no liability for the consequences of activities undertaken based on the contents.