



## Public Safety Video Streaming

### HEVC / H.265 Soliton Live Streaming Solutions

It is not easy to predict when a disaster situation may strike. But to have high quality live video streamed reliably in a crisis situation from a remote location, is highly effective for managing resources.

Soliton provides a range of enterprise products that are used to encode, encrypt and **stream live video content** from remote locations over mobile 3G or 4G networks.

It is possible to connect up to 6 SIM cards from different telecom companies that are bonded together to form a highly resilient quality of service connection back to the command centre or control room.

**Units can be placed in moving vehicles** such as ambulances, motorcycles and helicopters. They can be mounted in drones or fixed in place at a static location. Community rescue teams, fire departments, police, law enforcement, military, emergency response teams and air & sea rescue teams from all over the world are using Soliton solutions.

The lightweight unit can also be discretely carried on a person and used with a mobile cam. It can be used in conjunction with other law enforcement needs such as facial recognition applications for example.

### Benefits

- Utilises next generation H.265 encoding that is 50% more efficient than traditional H.264
- Full real time HD video streaming with small latencies due to H.265 efficiencies
- Easy to use
- Uses RASCOW to bond multiple SIM cards together
- Full HD delivery even in low bandwidth situations where mobile signal is weak
- Supports any camera with HD-SDI or HDMI output
- Dual audio communication
- Proven with many global users
- Decodes to HD-SDI or RTMP/RTSP
- Long battery life
- Lightweight and rugged
- AES256 encryption



## Zao-S

The Zao-S is an ultra-small encoder for live streaming full HD video. Easy to carry, comes with battery and external power, and can be attached to a bike or moving vehicle.

- ➔ Small H.265/HEVC encoder weighing only 300 grams
- ➔ True portability on a person
- ➔ 3x SIMs
- ➔ Internal Battery
- ➔ WiFi capability
- ➔ RASCOW dynamic bonding of SIMS
- ➔ Input: SDI or HDMI



## Zao

The ZAO is a light weight mobile unit for live streaming HD video. Battery powered and resilient, can be utilised in backpacks, vehicles, and helicopters.

- ➔ H.265/HVEC
- ➔ 6x SIMs
- ➔ WiFi and LAN connectivity
- ➔ RASCOW dynamic bonding of SIMS
- ➔ Input: SDI or HDMI
- ➔ Decodes via HDView with HD-SDI or RTMP, RTSP
- ➔ SmartPhone Zao Controller



## ML-CAM

ML-CAM is an iPhone streaming app that any user can operate on the iPhone to stream video directly to the control room in real-time.

- ➔ Download from Apple Store
- ➔ 3G, 4G or Wi-Fi mobile network
- ➔ License required for duration longer than 10mins
- ➔ Decodes via HDView with an HD-SDI output or RTMP



## HD-View

HD-view is the decoding software that resides in the receiving station or control room.

- ➔ Runs on Win7/10
- ➔ HD-SDI or RTMP, RTSP
- ➔ Low Latency
- ➔ Remote control of Zao
- ➔ Two-way audio to the Zao
- ➔ AES 256 encryption



## GPS+

GPS+ can be used on toughbooks and smartphones to stream live video that includes GPS information.

- ➔ Up to 12 real time video streams
- ➔ Search and Archive
- ➔ Add up to 100 GPS pins
- ➔ Watch live video by clicking on pins on the map
- ➔ Two-way audio communication

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