

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/HEVC
- ➔ 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

EMEA office
Soliton Systems
Europe N.V.

Gustav Mahlerplein 2
1082 MA Amsterdam
The Netherlands

+ 31 20 301 2166
✉ emea@solitonsystems.com
🌐 www.solitonsystems.com

Japan office
(Corp. Headquarters)
Soliton Systems K.K.

2-4-3-Shinjuku, Shinjuku
Tokyo 160-0022
Japan

+81-3-5360-3801
✉ wwsales@list.soliton.co.jp
🌐 www.solitonsystems.com

Soliton®