WIRELESS SURVEILLANCE

EDGEVIS MOBILE ENCODER

Digital Barriers

SECURE REAL-TIME VIDEO STREAMED FROM IOS AND ANDROID

The EdgeVis Mobile Encoder is a smartphone app connecting virtually any modern iOS or Android-based handheld device to EdgeVis Live, the world's leading platform for surveillance capture and distribution over limited bandwidth networks.

It converts a standard commercial mobile handset/tablet into a real-time video surveillance device, providing usable video and audio over any bearer available on the handset.

Not all video encoders are created equal

EdgeVis Live, powered by TVI technology, is a world-class surveillance solution for secure remote viewing of video over very low or variable bandwidth networks. In comparison to other wireless video technologies, such as MPEG compression, TVI provides a higher quality, lower latency, and more resilient approach to real-time video and audio transmission.

MPEG and H.264 solutions rely on standard compression techniques that can result in reduced frame rates, frame skipping, difference coding, and high latency. In contrast, by combining a proprietary codec with an adaptive and more efficient approach to managing the communications channel, TVI maintains a fixed frame rate and delivers lower latency video over limited bandwidths.

Providing new operational possibilities and options

EdgeVis Live enables organisations to stream real-time surveillance from almost any location, wherever the need dictates. It can provide a compact, low power hub to transmit from surveillance equipment deployed on covert or tactical operations, as well as from incident-response units.

EdgeVis Mobile can be used on standard Android or iOS mobile devices, streaming directly from built-in cameras, providing field operatives with a real-time link to control rooms and supervisors. In fact, TVI can be used to reduce the bandwidth required to transmit surveillance data over any network – providing more efficient use of fixed and satellite links.
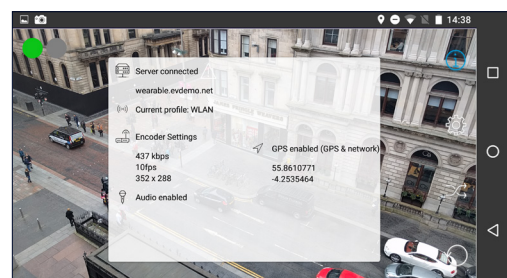
Just as importantly, EdgeVis Mobile provides real-time re-distribution of surveillance to multiple users simultaneously, whether in fixed locations or on the move.

Product codes

EVL-MOBILE   Licence to connect one mobile encoder to EdgeVis Server

Key features

- High-quality, low latency real-time video and audio at bandwidths as low as 9Kbps
- Live GPS location transmitted alongside video stream
- Highly efficient re-distribution of real-time surveillance to multiple users simultaneously
- Full resolution retrieval capability (with adjustable quality level)
- Support for landscape and portrait orientation
- Virtual pan, tilt, zoom for focusing in on image remotely
- Ability to use and switch between, both front and back cameras
- Supports multiple cellular networks (CDMA/EV- DO/GPRS/EDGE/UMTS/HSPA+/LTE)
- Automatically utilises device data connection (cellular/Wi-Fi).
- Supports Android and iOS
- Supports AES 256 encryption
- Supports background operation for discreet operation (Android only)

Operational domains and installed base

EdgeVis Mobile is ideally suited to mission-critical surveillance by law enforcement, border security, and defence organisations, as well as emergency responders, transportation agencies, commercial security/communications services providers:

- Covert, tactical surveillance
- Border/maritime monitoring
- Force protection
- Rapidly deployable urban surveillance

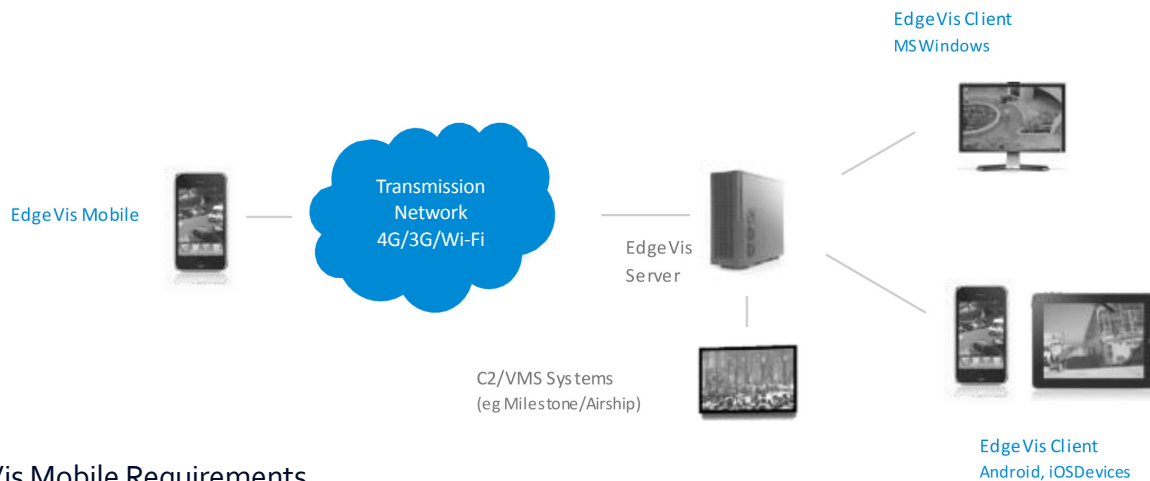**SAFER. STRONGER. MORE SECURE.**

TECHNICAL SPECIFICATIONS EDGEVIS MOBILE SOFTWARE ENCODER

Video Streaming

EdgeVis Live is designed to overcome the typical challenges involved in distributing real-time video in low or variable bandwidth environments e.g. cellular networks.

Multiple EdgeVis Mobile apps can be deployed to stream real-time video from mobile devices over cellular networks.

Multiple users are able to view these streams simultaneously in control rooms and on wireless devices.

EdgeVis Client
MS Windows

EdgeVis Mobile

Transmission Network 4G/3G/Wi-Fi

EdgeVis Server

C2/VMS Systems (eg Milestone/Airship)

EdgeVis Client
Android, iOS Devices

EdgeVis Mobile Requirements

iOS

Devices:	Apple iPhone 4S+, iPad 2+, iPad Mini+, iPad Air+, iPad Pro
Version:	iOS 8 and above
Cameras:	Front, rear (remote/local switching)
Security:	AES 256 encryption
Configuration:	Bandwidth, frame rate, frame size, audio (remote/local configuration), GPS location

Android

Version:	Android 4.3+ (Jelly Bean) with Google Play Services installed
Devices:	Phones and tablets with a dual core processor or better
Cameras:	Front, rear (remote/local switching)
Security:	AES 256 encryption
Configuration:	Bandwidth, frame rate, frame size, audio (remote/local configuration), GPS location

Both apps are available from the device's respective store (Apple App Store or Google Play Store) as free downloads.
Use of the app on an EdgeVis Server requires the purchase of one EdgeVis Mobile licence per encoder.
An EdgeVis Mobile Encoder licence can be used with either platform.

Products featuring EdgeVis Live feature the TVI marque and are available from Digital Barriers and key technology partners.

EDGEVIS™ Live
Powered by TVI

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