Revolutionizing Security
with Tailored Body Worn Cameras

CASE STUDY

Executive Summary

Stone Security, in collaboration with Axis Communications and Webbing, delivers a scalable and flexible body worn camera solution tailored to meet the unique needs of industries like law enforcement, healthcare, retail, transportation and education. By addressing key challenges such as storage and data management, cost constraints, compliance, and integration with existing systems, the partnership provides secure, efficient, and customizable solutions that enhance operational efficiency and ensure data privacy.

Industry:

Physical Security and Surveillance

Implemented Products:

WebbingCTRL eSIMs with WebbingCNCT profiles in Axis body worn cameras

The Business Impact of Webbing

o Ensuring continuous cellular connectivity for body worn cameras with multi-carrier service

o Compliance with privacy regulations

o Tailored connectivity offering to minimize operational costs

o Seamless data transfer and integration

The **Background**

> " The Axis body worn system's open architecture enables seamless integration with any VMS or EMS, giving customers control over their solutions while ensuring cost-effectiveness. "

~ Fredrik Johansson, Global Product Manager, New Solutions Initiative at Axis Communications

As the need for accountability, security, and operational efficiency rises across various industries, more organizations are looking to implement body worn cameras.

In 2022, President Biden accelerated the adoption of body worn cameras at the federal level through an executive order that mandated federal law enforcement agencies to create policies and equip officers with body worn cameras.

Simultaneously, body worn cameras extend beyond the traditional law enforcement segment, and their growing adoption in industries such as healthcare, retail, transportation and education reveals that these sectors have unique needs, such as compliance and staff protection, that body worn cameras can address.

Stone Security, a US-based security integration company, partnered with Axis Communications and Webbing to offer a scalable and flexible body worn camera solution tailored to meet the specific requirements of every industry.

The Collaborators

Axis Communications is a leading provider of surveillance technology, renowned for its robust cybersecurity measures, including FIPS 140 compliance. The company offers an open platform that enables seamless integrations with Video Management Systems (VMS) and Evidence Management Systems (EMS).

Webbing is an innovator in connectivity, offering a global network that spans over 600 carriers across more than 190 countries and territories. Webbing's solutions simplify IoT connectivity with enterprise-grade management, ensuring reliable and scalable connections.

Stone Security is an expert integrator with nearly 20 years of experience in modern security integration and custom deployments. As an NSI-certified partner with Axis, Stone Security is ranked #15 in SDM Magazine's 2024 list of Top Integrators, demonstrating its proven expertise and leadership in the industry.

The Business Need:

- ○ Reliable cellular connectivity for body worn cameras
- ○ Scalability for implementation in various organizations
- ○ Compliance with security and data privacy regulations
- ○ Flexible pricing

The **Challenge**

Challenges:

o Maintaining continuous real-time connectivity without breaching commercial constraints

o Large video data volumes strain IT infrastructure

o High deployment costs

o Complex regulations and privacy concerns

o Difficulty merging with existing systems

Organizations implementing body worn camera systems often face several key challenges.

One significant issue is storage and data management. The large volumes of video data generated by body worn cameras can strain IT infrastructure, and organizations often struggle with insufficient storage capacity, slow data transfer rates, and complex video management. This can be particularly critical for organizations without scalable storage solutions.

Cost constraints can prevent successful implementations. Smaller departments may find it difficult to invest in the full range of hardware, software, and training required to deploy a body worn camera solution.

Compliance and data privacy can oftentimes create significant hurdles for body worn camera users, especially in non-law enforcement sectors like healthcare, education and retail. But there are numerous regulations surrounding the privacy of data when it comes to law enforcement, too. Ensuring compliance with these regulations, such as CJIS requirements, and addressing public concerns over data usage and security becomes a challenge.

Integration with existing Video Management Systems (VMS) or Evidence Management Systems (EMS) can also be complex and time-consuming. Besides, integrating the cameras with older infrastructure often requires a bespoke solution.

Finally, user adoption and extensive training to ensure proper system usage are essential for successful deployments. It requires resources and can take some time as well.

The Solution

Collaboration with Axis Communications and Webbing helped Stone Security tackle all these challenges.

Stone Security designs and implements customized Axis body worn camera solutions. The company does all from assessing clients' requirements and selecting appropriate components to planning the network infrastructure and integrating the system with VMS or EMS. Stone Security manages the installation and configuration of the system, including setting up docking stations and system controllers, as well as configuring cameras and secure data transfer protocols.

To avoid storage and data management issues, Stone Security leverages Axis' open architecture along with Webbing's robust cellular connectivity solution, which ensures seamless and reliable data transfer. Webbing provides continuous, high-quality connectivity, enabling flexible cloud-based storage options and reducing the strain on on-premises infrastructure. The open architecture platform also makes it easy to integrate body worn cameras with a wide variety of VMS and EMS, while Webbing Triple-cut eSIM cards with their automatic failover capabilities guarantee that the cameras remain connected even under changing conditions and in remote locations.

Webbing's Solution:

o   Multi-network service for failover, redundancy and continuous connectivity

o   Flexible data packages to minimize costs

o   Full-core network guarantees compliance with regulations and secure data transfer

o   Seamless data transfer for smooth integration

To address cost constraints, Stone Security provides scalable solutions that reduce initial expenses, while Webbing's tailored connectivity offering with flexible data packages helps minimize ongoing operational costs. This approach ensures long-term value and makes it easier for organizations to implement and expand systems as needed.

Axis' advanced encryption and role-based access control help to ensure privacy, and Webbing's full-core network guarantees compliance with regulations and secure, encrypted data transfer, providing further protection for video footage and helping clients meet even the strictest standards.

Stone Security's comprehensive training programs, covering camera operation, data transfer, and best practices, ensure smooth user adoption. The company also provides ongoing support for successful system deployment and effective usage.

The Result

Stone Security, in collaboration with Axis Communications and Webbing, is transforming the way body worn camera systems are integrated, deployed, and managed. By addressing key challenges such as storage, cost constraints, and user adoption, Stone provides innovative, secure, and scalable solutions that enhance operational efficiency and ensure compliance with regulations.

Whether for law enforcement, healthcare, or other industries, Stone's expertise, Axis robust hardware and Webbing's reliable connectivity deliver cutting-edge solutions that meet the evolving needs of modern security systems.

Webbing Delivered:

- Triple-cut eSIM cards with automatic failover capabilities for stable connectivity
- Tailored connectivity offering with flexible data packages
- Compliance with regulations and secure data transfer
- Reliable connection for smooth integration

Why **Webbing**

> " *By combining Axis solutions with Webbing connectivity and Stone's expertise, we deliver game-changing systems that enhance efficiency, scalability, and evidence management.* "
>
> *~ Robert Oldham, VP of Sales at Stone Security*

About Axis Communication

Axis Communications is a Swedish manufacturer specializing in IP cameras and innovative network solutions for the physical security and video surveillance industries. Founded in 1984 and headquartered in Lund, Sweden, Axis aims to create a smarter and safer world by enhancing security, safety, operational efficiency, and business intelligence.

As an industry leader in network technology, Axis offers solutions in video surveillance, access control, intercoms, and audio, which are further supported by intelligent analytics applications and high-quality training. With around 5,000 employees across more than 50 countries, Axis collaborates globally with technology and system integration partners to deliver customer solutions.

About Stone Security

Stone Security is a US-based security integration company that offers enterprise class physical security products and services. Founded in 2005 by law-enforcement and IT professionals, the company has been driving the implementation of network-based surveillance, access control and intrusion systems for over 15 years.

Stone Security has completed projects in more than 35 states and 25 countries across a variety of industries, including higher education, K-12, government, cities and municipalities, corporate clients, mining and industrial.

WebbingCNCT Solution

A global data connectivity solution that delivers the reach of a global carrier with the quality of a local one with a single carrier that has flexible offerings, low latency, and sustainability at competitive rates.

Advantages:

o   Access to 600+ wireless carriers

o   Coverage in 190+ countries

o   High performance and low latency

o   Network Redundancy & Automatic Failover

o   Management Portal

o   Compliance with global connectivity regulations

o   24/7 Global Network Operation Center

WebbingCTRL Solution

An innovative eSIM with a management portal, that can easily and remotely be configured as any wireless carrier's profile, thus eliminating network provider lock-in and providing remote provisioning platform control.

Advantages:

o   Fully aligned with the new GSMA IoT remote provisioning standard (SGP.32)

o   Available as physical SIM cards or MFF2 chip

o   Allow to use multiple mobile carrier profiles

o   Changing carriers with zero integration

o   Failproof connectivity

o   Centralized management of SIM lifecycle and profile inventory

ABOUT **WEBBING**

Webbing is a global data mobile virtual network operator (MVNO) that delivers innovative enterprise grade, global connectivity and IoT services. Our wireless solutions are designed to provide reliable, secure and continuous internet connection for devices wherever they are located.

Webbing was founded in 2010 and has developed revolutionary SIM technology fully aligned with the GSMA SGP.32 IoT eSIM Standard, powerful management platforms and a robust global network that revolutionize your data making it relevant and actionable. Our leading-edge solutions deliver a streamlined, centralized, and scalable means of deploying, controlling, monitoring and optimizing data usage for organizations' global fleet of devices.

www.webbingsolutions.com