



ZERO TRUST DATA ATHENTICATION "from the EDGE to BDOC and beyond"

SCENE AUTHENTICATION

Product Overview

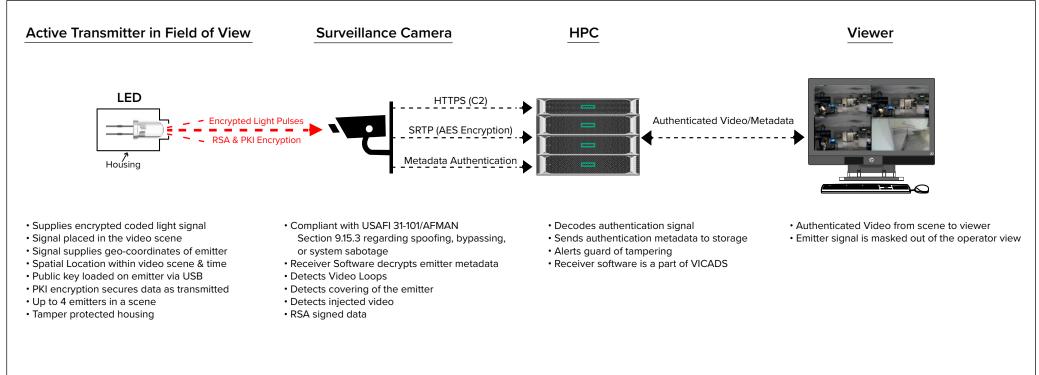
Scene Authentication is a PSG Patented product which provides real-time authentication of a video signal from its inception (video scene) to its delivery (viewing or storing). It is the first end-to-end authentication of its kind and simultaneously protects video signaling from spoofing, tampering and hijacking. Scene Authentication assures users that any instances of video produced by their surveillance system came from its cameras, at that the actual location at a specified point in time.

Features	Benefits
U.S. Patent Aug 2016	- Unique end-to-end protection
AES Encryption and RSA Signing	- Advanced encryption and protection
Automated Pairing and Tuning Algorithm	- Easy installation and configuration
Configurable Alerting	- Differentiates a real attack from an interruption
Environmental Tuning	- Reduces False Positives
Aware of time, spatial positioning	- Verifies Video Veracity
Metadata Validation	 Protects stored video with reversible audit
Integrated with ONVIF	- Federal Information Processing Standard (FIPS-140-2)
Available for OEM Integration	- Technology can be integrated into camera/encoder firmware
USB Host One to Many Programming	 Manage many devices from a single secure token
Industrially Designed	 -40° to +70° C operation, made for uptime and reliability

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Acronyms:

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- RSA Encryption Asymmetric private / public key encryption
- PKI Public Key Infrastructure to authenticate users and devices
- SRTP Secure Real Time Protocol (AES Encryption for video)

Legend:

Red = Encrypted light from emitter Black = Authenticated Video/Metadata over IP

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