

Industry Application



Public Safety



Emergency



Customs



Prison



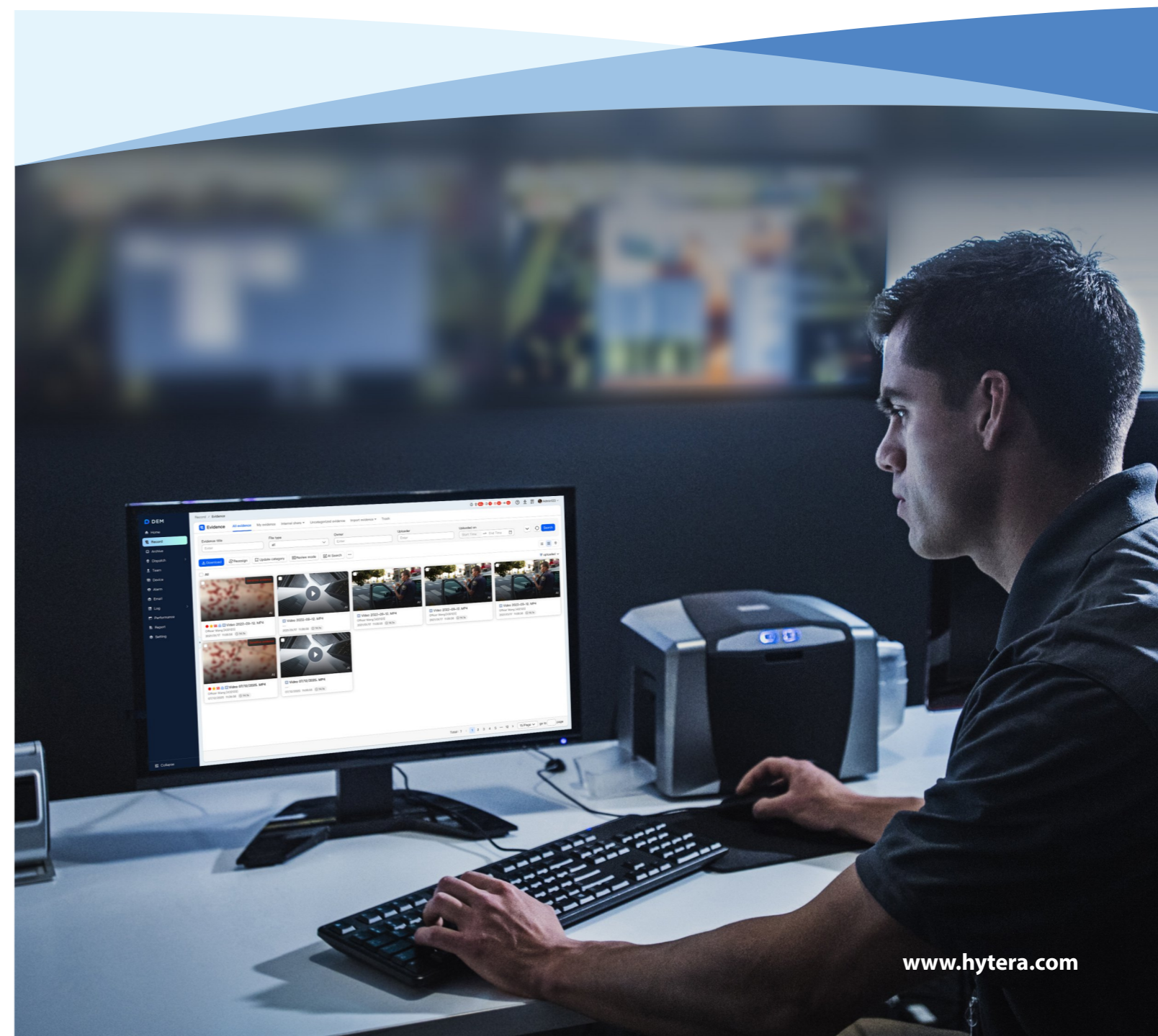
Private Security



Utility

Hytera Digital Evidence Management Platform

- Make Event Investigation Efficient
- Copies Redaction Saves Time
- Visual Command and Dispatc
- Sharing Seeks for Efficient
- Remote Device Management
- Secure Evidence and Reliable System



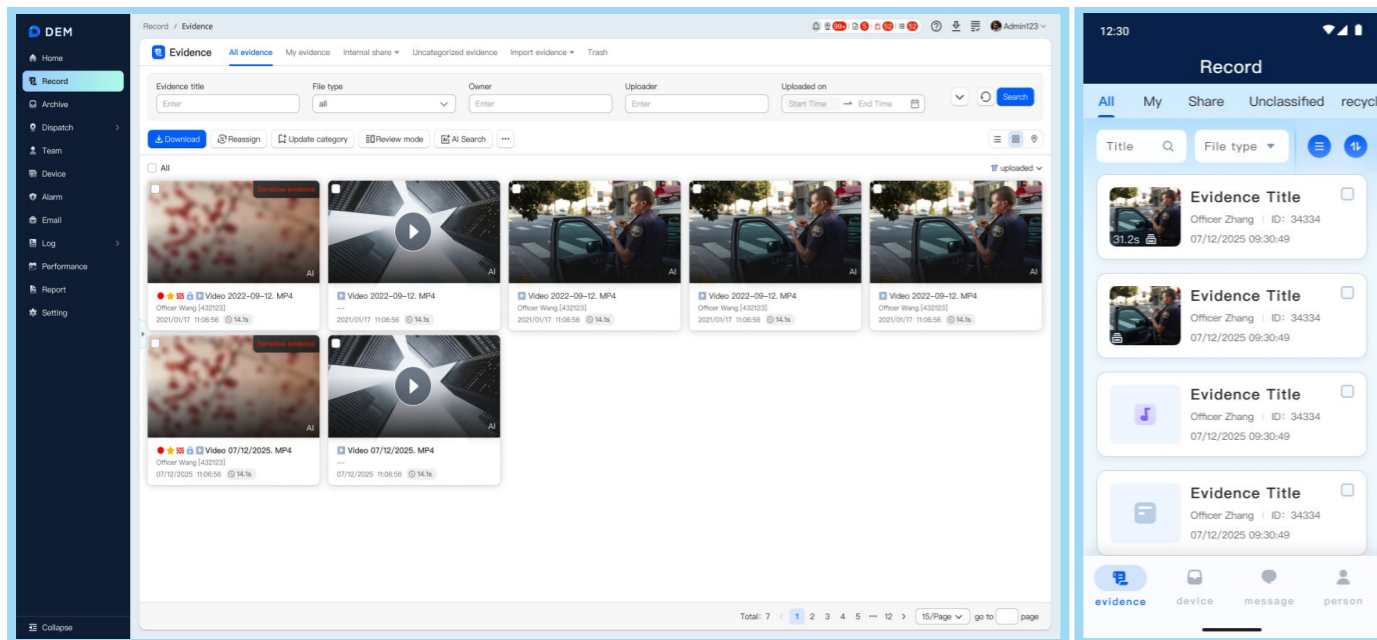
Under the trend of big data and information transparency, the Digital Evidence is of great significance to judicial practice, commercial activities and social governance, which can intuitively, clearly, and completely reconstruct the truth to be proved. Seeing is believing.



Platform Introduction

Cloud-native Digital Evidence Management (DEM) is a rich-featured platform designed to collect, store, query, and analyze digital evidence, including videos, audios, photos, and documents from body cameras or other third-party sources. The built-in dispatch module delivers real-time services—including live streaming, location tracking, video and voice calls—enhancing on-site situational awareness and dispatch efficiency.

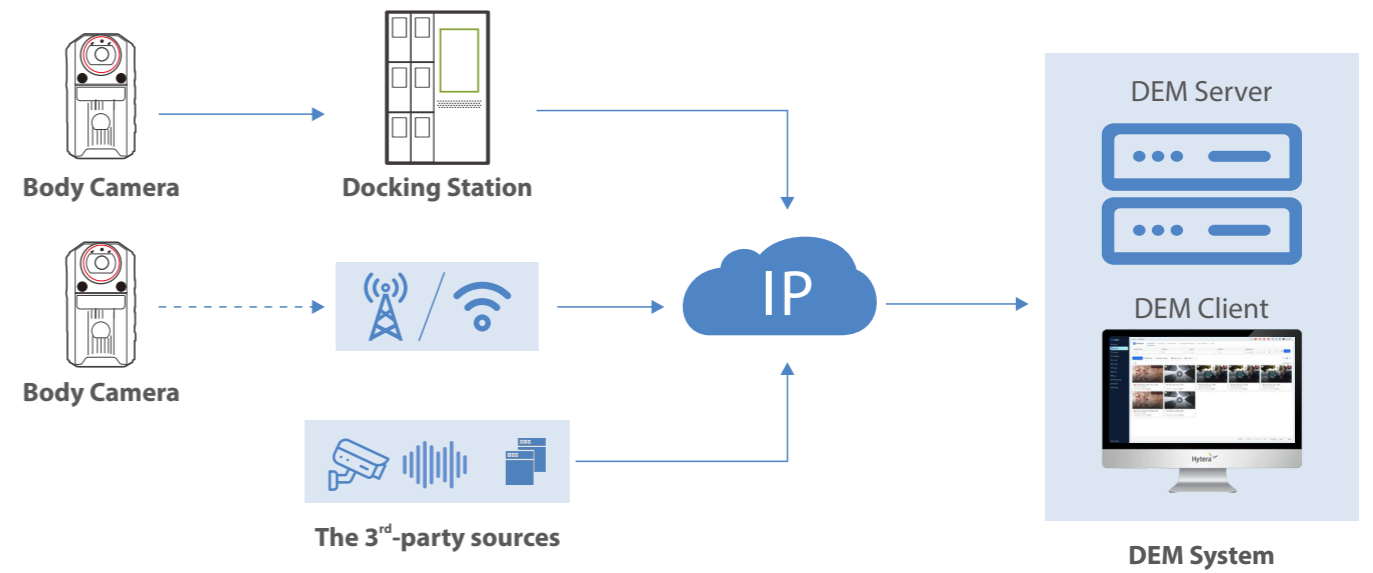
The DEM supports on-premise and cloud deployment, allowing you to create a unified media database with high security and reliability, thereby transforming evidence management into a digital, intelligent process. Its web and mobile clients enable users to easily view evidence and manage body cameras, whether in the office or on duty in the field.



Unified Evidence Offloading

Stop struggling with fragmented, scattered information, and gather it in a unified way.

With Hytera's end-to-end solution, digital media captured through body cameras can be automatically encrypted and uploaded to the DEM via docking station or wireless for centralized storage and management.



Efficient Evidence Storage

As volumes of digital media increase, concerns over information retrieval efficiency, storage cost, and scalability become paramount. Hytera's DEM storage strategy addresses these challenges, saving you both time and operation cost.

Fast Retrieval of Evidence Information

Utilizing the industry-leading database, the DEM accelerates queries across hundreds of millions of complex, massive records, swiftly presenting target information.

Flexible Expansion of Evidence Files

Leveraging the high scalability of Block Storage, you can flexibly scale storage according to your changing needs, even petabytes of storage, achieving cost optimization and savings. The upload concurrency is increased by 80%, supporting the establishment of a national-scale digital evidence center. The single-point storage rate can reach up to 130 MB/s, enabling supervisors to access and review the day's evidence in a timely manner.

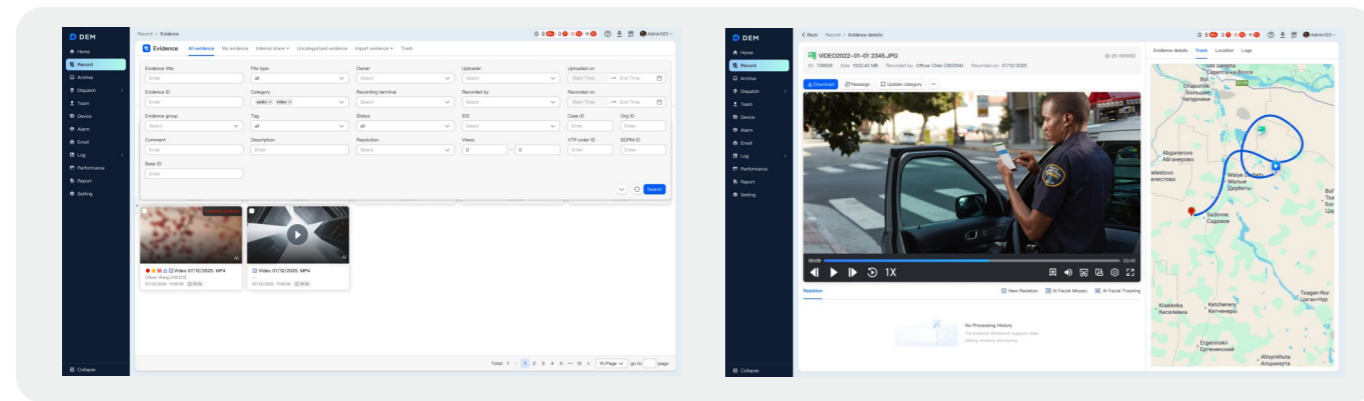
Compatible with Third-party Cloud Storage

Supports cloud deployment and integrates with mainstream cloud services such as Amazon S3, Google Cloud, and Oracle Cloud.

Make Event Investigation Efficient

The digital evidence recorded by body cameras is an important aid for case reporting, on-site analysis, and event investigation in later stages of law enforcement. Through automatic analysis, classification, and integration of evidence metadata, DEM can quickly present the timeline of events, movement tracks, key video and audio clips, aiding in rapid review and simplifying the investigation process.

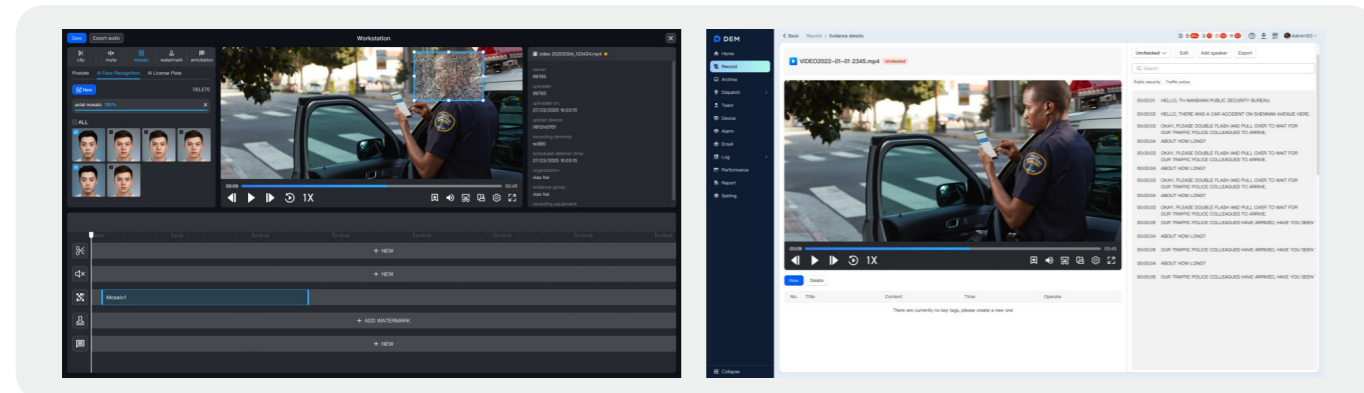
- AI-powered facial search can quickly locate all instances where the target individual appears across massive video datasets and mark each exact position on the video timeline.
- Filter the massive database with multiple conditions to achieve intuitive search results.
- Multi-view evidence playback showcases the full story of investigated events
- Tracks played in sync with video to illustrate where and what happened



Copies Redaction Saves Time

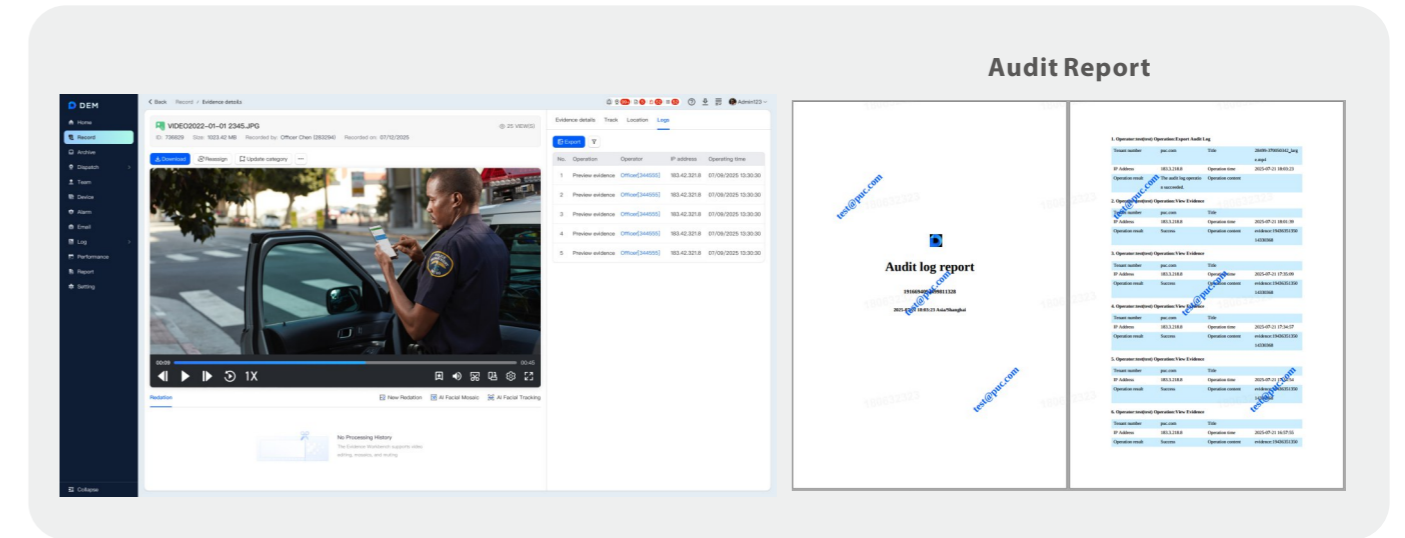
When evidence needs to be made public due to public opinion or trials, it often requires limitation and desensitization, which is typically a slow and expensive process. DEM provides efficient features that significantly reduce redaction times and costs whenever possible.

- Using AI technology, target faces in videos are automatically detected and blurred, quickly masking sensitive information.
- AI technology converts speech to text, allowing rapid review of events. The text can be edited, exported, and automatically used to generate event reports.
- By keeping the original file unaltered, DEM quickly renders copies after redaction, such as clip, mute, pixelate, watermark and annotation.



Integrity of the Evidence Chain

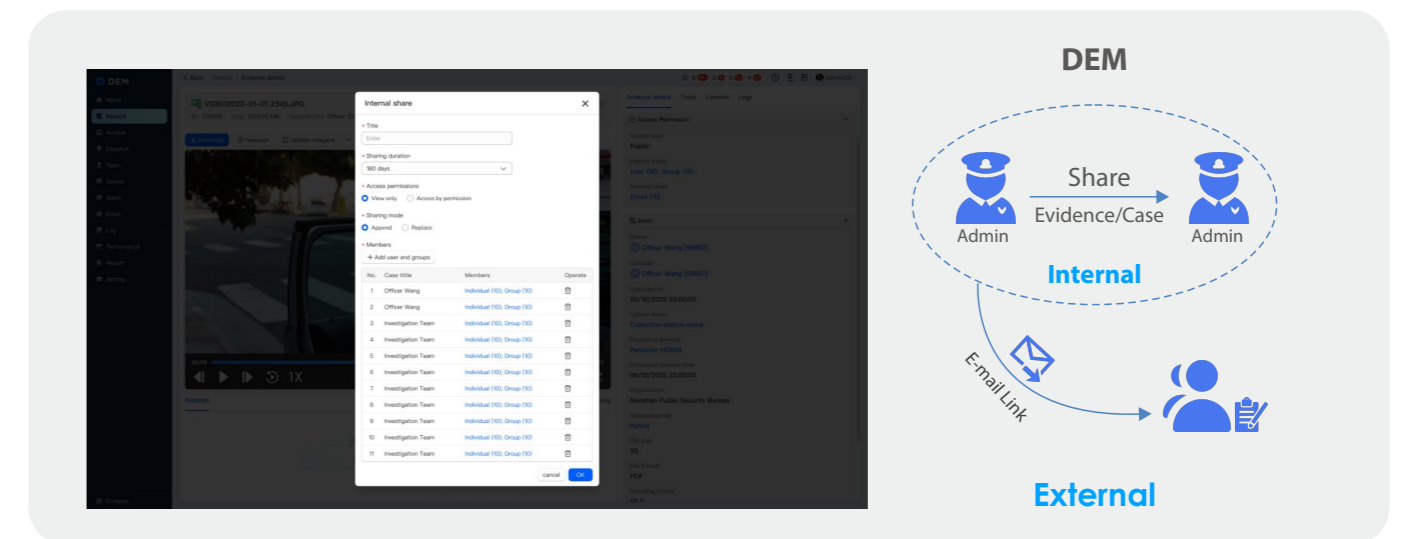
- Once the evidence is captured, all activities taken by anyone around the evidence are tracked as logs to protect the chain of custody, whether on DEM or on body cameras and docking stations.
- Generate Log Audit Reports for specified evidence, cases, and devices to fulfill the purposes of investigation, archiving, and ensuring admissibility when testifying in court.



Sharing Seeks for Efficient

DEM helps you share evidence, cases, and other information in a time-saving, secure, and traceable way, whether internally or externally. Sharing facilitates better collaboration with your partners and enables evidence presentation in court or media.

You don't need to worry about malicious tampering or artificial synthesis of the shared evidence. DEM automatically verifies its authenticity and integrity by providing an attached Authorization Certificate. DEM can also optionally embed invisible watermarks to exported evidences containing information such as institution name and recording date. Additionally, DEM can detect invisible watermarks in imported files to verify the file's source and authenticity.



Security

Fine-grained Access Control

The DEM allows you implement comprehensive and fine-grained access restrictions based on the user's role, ensuring that users can only operate within their permissions.

Evidence Leak-proof

The DEM system encrypts all uploaded media before storing them in the storage system, regardless of whether the media was encrypted. Even if the media is accidentally obtained by unauthorized parties, its content remains fully secured against disclosure.

Evidence Tamper-proof

Combined with the tamper-proof technology, DEM can verify and guarantee the originality and integrity of the evidence uploaded from body cameras. Additionally, it implements dynamic certificate management, generating new certificates and distributing them to body cameras to further enhance tamper resistance capabilities.

Dynamic Key

DEM can generate new AES encryption keys and distribute them to all body cameras. The body cameras utilize these new keys to encrypt evidence files. In the event of a key compromise, DEM can promptly issue replacement keys, thereby reducing security risks.

Reliability

Database Disaster Recovery

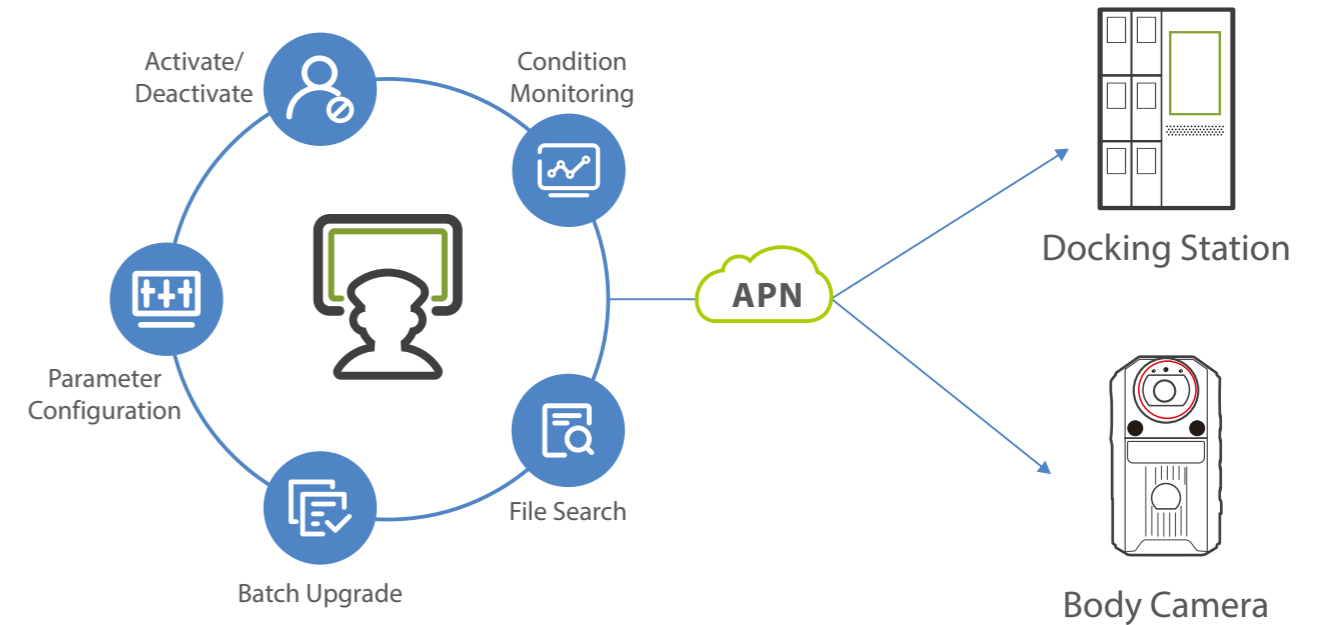
In terms of data backup strategy, DEM adopts a combination of full backup and incremental backup, utilizing less disk space and backup time in exchange for higher data integrity and reliability.

Mature and Reliable System Architecture

- Support smooth expansion to handle more requests.
- Support cluster deployment to ensure continuous and reliable operation of the system, and enhance resource utilisation.
- Enables faster delivery of new or customized features to customers.

Remote Device Management

DEM provides you with a fast and easy way to manage the body camera and docking station through a dedicated APN link. You can access status information of devices and personnel, upgrade devices in batches, etc., thereby boosting productivity.



Visual Command and Dispatch

DEM features an integrated command and dispatch system that supports live video streaming, real-time location tracking, and both voice and video communication. These capabilities significantly enhance situational awareness, enabling rapid, coordinated decision-making and ensuring a comprehensive and effective emergency response.

The system also allows remote activation of video recording and snapshot functions, assisting personnel in capturing critical on-site evidence while reducing the operational burden during high-pressure scenarios.

