

Augmented Vision Investigate

Boosting the efficiency of operators with video analytics

AUGMENTED VISION

Augmented Vision Investigate (AV Investigate) is not just another video analysis tool; it is a game-changer for investigators. With its unparalleled capabilities in content (videos and images) extraction, classification, and alert generation, Augmented Vision Investigate empowers investigators to navigate complex investigations with confidence and efficiency.

AV Investigate supports operators in day-to-day crime solving and suspect identification.

AV Investigate offers a cost-efficient solution for processing video footage and expediting investigations. The tool, easy to use yet feature-rich, empowers operators to leverage video analytics capabilities, resolving cases more quickly without the need for extensive manual review.

It is ideal in solving a wide range of cases, including:

- › Law enforcement investigation
- › Digital forensics
- › Private sector security
- › Critical infrastructures in cities

A unique tool on the market

AV Investigate stands out as a cutting-edge video analysis software that revolutionizes the investigative process. It extracts and classifies content, making it effortlessly searchable.

Efficient content classification

Footage is processed into easily navigable categories such as faces, pedestrians, luggages, vehicles, and license plates. This streamlined organization enables investigators to swiftly pinpoint relevant information, saving valuable time and resources.

Automated alert generation

With the AV Investigate watchlist feature, automated alerts are generated on detection of persons or objects of interest. This eliminates the need for exhaustive manual video review, ensuring that investigators focus solely on pertinent segments.

Multi-object algorithms

The AV Investigate advanced algorithms empower investigators to multiply their starting points in an investigation. Even when faced with limited visual data—such as suspects captured from behind—AV Investigate can still drive progress. By intelligently analyzing available information, it enables investigators to make significant breakthroughs with minimal effort.

Source-agnostic

AV Investigate investigation is media-source-agnostic, seamlessly processing content from CCTV cameras, mobile phone images, videos, and body-worn cameras alike. Whether dealing with a vast array of media files, or extracting faces from extensive datasets, AV Investigate simplifies the extraction process, facilitating further analysis.

Benefits



Save time

AV Investigate automatically extracts videos and images and classifies the content, turning it into searchable actionable intelligence. From “x10” (10h of video analyzed in 1h) up to “x60.”



Easy to use

AV Investigate offers the best of video analysis in a minimum of clicks. It has been developed in collaboration with professional investigators to facilitate easy onboarding and meet user expectations effectively.



Flexible and rapid deployment

AV Investigate offers versatile deployment options, seamlessly fitting into either a compact workstation or a large-scale solution. Its browser-based application ensures effortless accessibility.

Why IDEMIA?

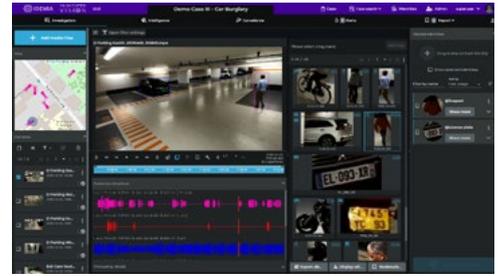
IDEMIA Public Security, a division of IDEMIA Group, is the premium provider of trusted biometric solutions that revolutionize public security and identity, travel and transport, and access control.

Our solutions—designed using advanced security features and encryption technologies—enable our clients to build safer and fairer societies where people can live, interact, and move freely.

How does it work?

AV Investigate ensures that investigators can truly benefit from all available video and image evidence at their disposal. Automated detection, classification, and organization of all meaningful data from every single frame in advance ensures that operators get results fast and accurately.

AV Investigate can also identify links and associations between individuals that would be practically impossible for humans to detect.



Stop wasting valuable resources and time performing hours/days of video search. Solve more cases in less time.

Description & Features		Augmented Vision Investigate
Configuration	Media type	Post-event analysis
	Media source	No restrictions (CCTV recording, mobile phone video and images, drones, webcam, body-worn camera)
	Deployment	On-premises by default (AWS deployment on-demand)
	Video storage capacity	Dependent on BOM (Bill of Materials)
	Type of hardware	Server and desktop (requires NVIDIA GPU)
Key sizing values	Analysis speed ratio*	From "x10" (10h of video analyzed in 1h) up to "x60" Above "x60" on demand
	Number concurrent users	Based on license (up to unlimited)
	Watchlist	Default: 100k images—Extension on demand
	Crowd density*	Up to extreme density
	Resolution*	Up to 4k
Video analytics	Face (NIST benchmark proven)	Search and queries including age, gender, w/o glasses, and w/o mask estimation
	Pedestrian	Re-identification, top and bottom color clothing
	Vehicle	Car, truck, bus, motorcycle, bicycle, and associated color
	Luggage	Associated color
	License plate recognition	Additional license—Search and queries
Key functionalities	Case manager	Store and list all cases in system
	Tracking on maps	Select person or object of interest to follow path on map
	Bestshot gallery	Display all detections for quick review
	Tracked identities	Easy tool for person or object search and re-identification
	Automatic tagging	Every detection is automatically tagged for easy search
Advanced tools	Modality timelines	Display activities for selected modality
	Manual tagging	Annotations for other investigators in the case
	Logic queries	Combination of automated and manual tags for refined search
	Person clustering	Find contact(s) for a select person of interest (POI)
	Scenes	Rapid review of scenes where person or object of interest appears
Advanced reporting	Mapping associations	Find where and when multiple POIs have met
	Face search	Screen and ranking of POI against multiple watchlist
	Marking	Automatic marking of region of interest in image report
	Blurring	Manual blurring capability during image report edition
	Annotations and descriptions	Ability to annotate image and add description & title to report
Additional information	Video report	Ability to export short videos around bookmark (MP4 file, no video editing)
	Dashboard	Integrated health and business dashboard
	Languages	Default offer: English, French, German, and Spanish
	Administration	Dedicated administration tab for system configuration
	OS	Linux Ubuntu

*Analysis speed ratio based on these parameters. Other sources are possibly affecting the analysis speed