

Augmented Vision Access

AUGMENTED
VISION

Providing frictionless secure access to authorized personnel



DEMIA combines its leading AI-based (Artificial Intelligence) facial and analytics algorithms in order to deliver secure frictionless biometric access control solutions with embedded proactive surveillance capabilities, leveraging existing CCTV infrastructures. Augmented Vision Access allows a high throughput contactless access control and provides higher return on investment for cameras already deployed.

Augmenting the capabilities of existing CCTV solutions

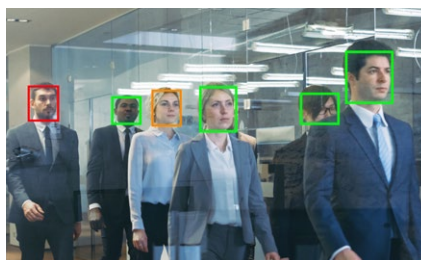
Augmented Vision is a video analytics platform that ensures a safer environment. One of Augmented Vision's various modules, **Augmented Vision Access** is designed to be a powerful layer on top of existing video and access control systems, enhancing the value and accuracy of systems already in place such as CCTV infrastructures and avoiding expensive systems updates.

It is designed to simultaneously detect, track and identify multiple persons approaching an access point thanks to the cameras already installed in the area.

Compatible with most major camera brands, the solution leverages industry standard streaming protocols.

The Augmented Vision Access watchlist feature enables real time lockdown of access points based on early threat detection.

Advanced and highly configurable business logic allows for deployment in a wide variety of access control use cases ranging from completely frictionless and contactless crowd based access to hosted visitor management and tailgate prevention for single user access.



Why IDEMIA?

With over 40 years' experience, IDEMIA is the undisputed leader in biometric security systems. Our facial, fingerprint and iris algorithms – consistently ranked in the top 3 by NIST – and sensor technologies, combined with our end-product design and manufacturing expertise, make

us the partner of choice of the most prestigious organizations. Our goal is to keep our world as safe and secure as possible. We are committed to providing you with the most advanced tools and guidance available on the market.

Benefits



Frictionless

Face detection, tracking and matching even with fast moving users.



Efficient crowd-based access

Supports simultaneous identification to handle busy or crowded areas.



Easy integration

Powerful API enabling easy integration to PACS / VMS & other 3rd party systems.

Designed to complement & enhance access control systems

Augmented Vision Access integrates with traditional access control systems to ensure decisions are made based on positive biometric identification, rather than relying on credentials that can be lost, damaged or stolen.

Augmented Vision Access supports both multi-site enterprises and single-site architectures and includes seamless real-time synchronization of all user profiles and access privileges to reduce system administrator and operator effort.

Traditional access control systems often miss a high number of users passing through “door-based” access points: Augmented Vision Access allows your system to see more, know more and control more at high throughput access points.

Threat prevention

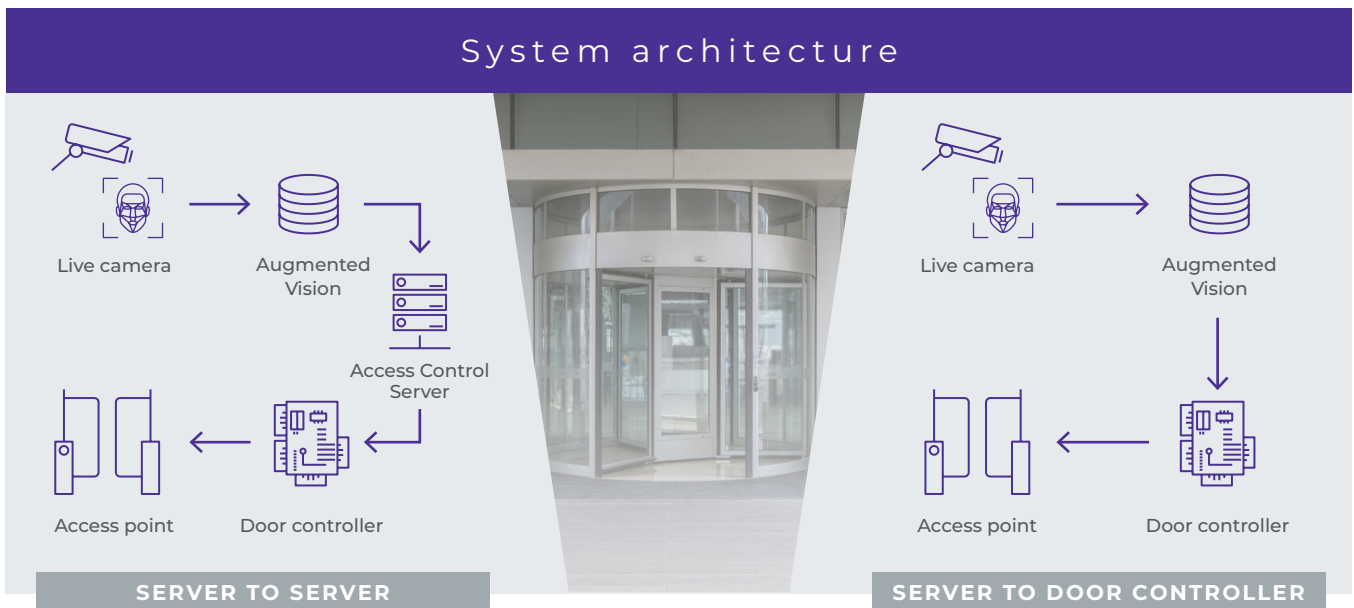
Watchlist detection triggers automatic door lockdown and alarms, for proactive responses in threat situations.

Scene analysis

- › Full field of view CCTV analysis with integrated track and behavior mapping
- › Advanced intent measurement, anti-tailgating, and conditional rules to support hosted visitor, 2-man rule etc.

Multiple watchlist support

- › VIP
- › Visitor & accompanied visitor
- › Contractor
- › Threat-based



Technical specifications

| | | |
|------------------------------|----------------------------------|---|
| System specifications | Deployment | <ul style="list-style-type: none"> › On premise (single or multi-sites) › Highly scalable › OS: Linux based |
| | Database | <ul style="list-style-type: none"> › Up to 100,000 users › Up to 5 photos per user |
| | Video frame rate | <ul style="list-style-type: none"> › Minimum: 5 FPS › Recommended: 15 FPS |
| Modalities | Camera | <ul style="list-style-type: none"> › Unlimited numbers connected to Augmented Vision › Support RTSP (Real Time Streaming Protocol) |
| | Face recognition | <ul style="list-style-type: none"> › NIST benchmark proven › Resilient to aging and face attributes (beards, glasses, etc.) |
| Features | Pedestrian detection | <ul style="list-style-type: none"> › Enhance tailgating detection |
| | Access event logic | <ul style="list-style-type: none"> › Access intent detection & distance filtering › Surveillance embedded (pro-active lockdown) › Tailgating detection › Accompanied access rules |
| Integration | Physical access control software | <ul style="list-style-type: none"> › Strong API for easy integration › Embedded enrolment page › End-user LED feedback from camera* |

* based on specific models