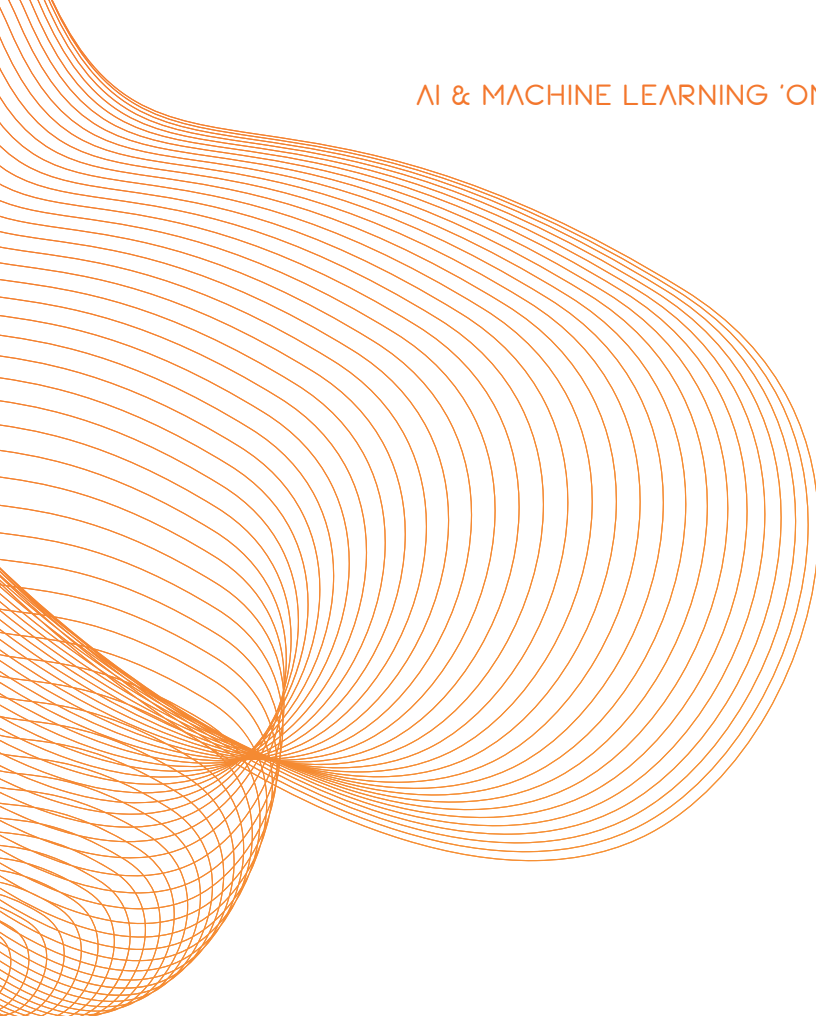


AI & MACHINE LEARNING 'ON THE EDGE'

AVT



AERVISION

TECHNOLOGIES



OVERVIEW

About Us

AerVision Technologies is a technology company developing innovative solutions for enhanced safety and security using state-of-the-art artificial intelligence, computer vision, biometrics, Internet-of-Things, and video analytics.

Founded in 2013 by two world leading PhD biometrics and AI scientists, with the focus on helping organisations improve safety, security, and optimising operations.

Our products target video surveillance, secure access control, and occupancy monitoring. AerVision's real-time video analytics using advanced parallel computing (GPU) and embedded systems is making a paradigm shift in the domain.

Our unique advantage is our proprietary technologies ranging from a highly accurate and

extremely fast biometrics engine to advanced artificial intelligence platform with machine learning capability.

We believe that in today's environment of heightened safety and security concerns, real-time situational awareness and touchless access control is critical to the success of any organisation.

Today, AerVision deploys many cutting-edge applications in a number of industries such as aviation, education, corrections, healthcare, government, commercial, mining, and retail.



Our Team

The AerVision team has in-depth knowledge and expertise in computer vision and machine learning complemented by strong high-performance software and system development skills to successfully create real-world products and solutions. The AerVision team works with small and large clients to develop customised biometrics, security and surveillance solutions to meet the unique needs of each deployment.

Our Technology

Our unique advantage is our proprietary technologies ranging from a highly accurate and extremely fast biometrics engine to advanced artificial intelligence platform with machine learning capability. AerVision's real-time video analytics using advanced parallel computing (GPU) and embedded systems is making a paradigm shift in the domain.

Our Products

Our products help organisations address two key areas for Safety and Security – Real-time Situational Awareness and Secure Access Control. The AerVision AI platform incorporates enhanced visualization and actionable intelligence capabilities to help security personnel achieve higher levels of security, compliance, and risk reduction.

Our Reputation

We strive for perfection and ease of use of the technology we deliver. Our approach in tackling some of the world's most challenging technical problems has ensured our customers receive the solution on time within the allocated budget with exceptional quality and after-sales support.

Solutions

AerWatch®

AerWatch® is particularly designed to diminish the labor on the part of security operators. It brings numerous advantageous modifications to your surveillance systems. These modifications are only meant to fortify your security systems and make you safe within your walls.

There is a hype everywhere in town about Artificial Intelligence (AI) and its nonstop advancements happening every day. AerWatch® has been perfected with a built-in AI engine that learns several significant and non-significant cues from the environment. It keeps in view the history of events and instantly detects any activity that is out of the ordinary.

AerWatch® is quick to spot the unusual activity happening all video streams simultaneously. Once it detects a suspicious or an unusual event, it sets off an alarm on VMS instantly. The alarm notifies the security operators to respond following the relevant protocol.

False alarms are a major concern with conventional video analytics. A false alarm is not only a nuisance but it also lets you subconsciously believe that it's a false alarm every time it happens.

Why do you need AerWatch®?

Unlike other solutions, AerWatch® doesn't constantly generate nuisance alarms. The AI engine is highly efficient to continually learn patterns, activities, and more. Not only it learns but it also adapts to the usual environment. This robust ability to learn and adapt perfects the AerWatch®'s precision to detect anything that is out of the ordinary. As a result, it leaves no place for the false alarm over time. So, sit back and enjoy the safety with AerWatch® and let your security operators do what they are best at which is responding to alarms without unnecessary mental loads.

The market is overcrowded with many inefficient and expensive video analytics solutions.

The Perks:

There's a limit to a person's efficacy whether it's a trained security operator who loves to do his or her job. AerWatch shares the burden of a security operator with its amazing features and benefits. Your security operator/s would certainly thank you for bringing AerWatch into your environment. Once the intellectual burden is reduced, a security operator would be more efficient at his/her job.

A peaceful mind tends to focus better. Thus, if you provide that to your security operator with AerWatch. He or she will be more productive to show alertness at their daily duties. He or she will be able to monitor 50x more CCTV cameras than what is considered standard cognitive load.



AerAccess®

AerAccess® units, can be configured to operate based on any configuration of identification modalities. For example access to common areas can be based on a providing a single identification attribute, e.g. face or card. And access to higher secure area such as server rooms, will require providing at least two identification attributes, e.g. face+card or iris+face.

Personal ID Template

Your personal biometric ID (Palm, Iris, Face) can be stored on your own device. This will allow users to be in charge of their own biometrics template, and comply with the local privacy laws.

Multiple Interfaces

AerAccess® well-designed, yet simple, service-oriented architecture is supported by a rich library of sample applications with source code.

Integrations

AerAccess® is fully integrated with existing electronic access control systems such as Siemens SiPass, Genetec Synergis, Honeywell EBI or Gallagher.

Customisable

Customisable enclosures and form factor, to complement and wow your desired interior design.

Hand Gesture Recognition

AerAccess® device can track hand movements, enabling gesture-based and touchless user interaction.

Voice Control

Voice recognition is an additional option for touchless control of a device. We also use noise cancellation technology to enable the AerAccess® device to work in loud environments.

Eye Gaze Tracking

The AerAccess® eye tracker can detect attention and focus of the user. It facilitates the ability to control a computer using the eyes to enable hands free option of kiosks and other devices.

Contactless ID Scanning

AerAccess® has the ability to scan an ID or Passport by holding it up to the built-in cameras. AerAccess® can also perform optical character recognition.

AerAccess® Devices:



Models:

- 1.FRE21B
- 2.AA22B
- 3.AR21B
- 4.RH21A
- 5.AA21M
- 6.AA21G



Our Latest Project:

AerMeal® Scanner

AerMeal® is used for monitoring food intake by capturing a precision 3D image of a user's plate before and after they have had their meal.

The user's plate also has a chip that the AerMeal® detects and connects the captured images of the plate to said user and stores this information on the cloud. This device can be used in aged care facilities, schools, gyms etc.



Our Partners



Our Customers



Contact us

At AerVision we pride our selves in creating custom solutions to real world problems. No matter the level of difficulty we are up for the challenge.

Contact us and one of our friendly team members will be in touch to discuss your querie.



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