

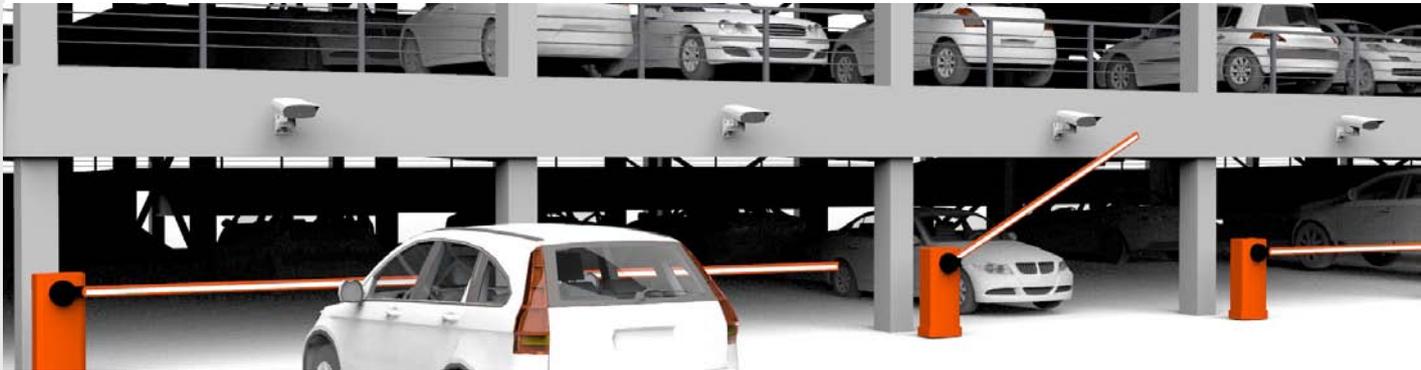


Automated Number Plate Recognition is a perfect way to increase throughput on entry and exit meanwhile improving security and customer experience. The AVUTECH ANPR product line is engineered and designed to seamlessly integrate with security systems. AVUTECH's expertise in hardware, software, artificial intelligence and system integration makes the company your best partner in intelligent access control solutions.

ANPR for each location

Functional demands of ANPR based access control systems differ per location. Technical and security requirements vary from client to client. The variety in access control solutions ask for a highly connective software platform to facilitate integration and to implement functionality.

AVUTECH's ANPR product line lives up to all the demands. The ANPR product line offers flexibility and versatility in terms of integration and interfacing plus an ANPR engine with a world class plate capture rate. The product line includes the Gatekeeper series, AVUTECH's range of embedded ANPR cameras, and CortexFramework, the computer vision framework that facilitates integration with all VMS, POS and hospitality systems. Next to the best ANPR products Avutech offers full support, from assistance during installation to the development of customized integration modules.



The Gatekeeper

The Gatekeeper, AVUTECH's intelligent embedded camera from the ANPR product line, is the foundation of professional ANPR based access control solutions. It flawlessly reads number plates at a close range as well as at distances up to 25 meters during broad daylight, in low lighting conditions and in the dark. Combined with an electrically operated garage door, parking barrier, roller fence, speed gate or bollard, the Gatekeeper is suitable to enhance the comfort and security of parking areas.



The Gatekeeper can work as a distance card reader for number plates and is ideal for basic ANPR access applications with a focus on offering convenience to users, up to extremely stringent security situations. Using the I/O extender in the back of the Gatekeeper, this ANPR camera can autonomously open gates as soon as an authorized number plate is recognized. The Gatekeeper integrates with all brands of access control systems, parking management systems or security systems. Connection through the Wiegand interface or IP based integration with all types of access or door controllers is easy and available.



ANPR engine

The Gatekeeper series achieves its plate capture accuracy thanks to AVUTEK's in-house developed ANPR engine. The technology is backed by over 10 years of ANPR analytics research and development. Due to constant evolution the engine is highly accurate even in bad weather conditions or in reading plates at difficult angles.

CortexFramework and CortexClient

To incorporate video content analysis in solutions and connect that intelligence to existing ecosystems AVUTEK developed an extensive computer vision platform, CortexFramework. CortexFramework provides a development, deployment and management environment, that meets all video content analysis needs. Its vast library of building blocks (Axons), enable our partners to easily build and integrate simple to sophisticated real-time ANPR applications (Cortexes). CortexFramework's remote graphical interface CortexClient provides drag-and-drop mapping tools, to visually configure a Cortex without coding.

Out of the box integration

- Wiegand interface to connect to any brand of access or door controller
- I/O extender to physically switch open barriers or operate a carwash by starting a program
- ANPR engine with 99% plate capture accuracy with optional vehicle recognition to trigger alarms when a vehicle is spotted and no license plate is recognized due to a dirty or partially hidden plate.
- Extensive library of prebuild Axons for integration and extended functionality like direction specific number plate recognition.
- Integration with VMS systems enabling video recording with RTSP stream. ONVIF protocol implemented.
- Easy search recordings for license plate events with the VMS bookmark Axon
- Configurable triggers to perform customized actions when a license plate is recognized
- CortexClient to remotely configure, manage and monitor all your CortexFramework applications, keeping total cost of operation(TCO) low by eliminating on-site maintenance and enabling direct client support.

AVUTEK

As a Dutch developer and manufacturer of ANPR sensors, systems and cloud solutions, AVUTEK's expertise and know-how have set a benchmark for quality, speed, accuracy, flexibility and ruggedness. The in-house developed AI computer vision hardware and software cooperate seamlessly to provide the best possible accuracy and speed in ANPR or other VCA processing. From embedded ANPR IoT sensors to a comprehensive computer vision system, AVUTEK provides nothing but the best.

For more information on AVUTEK's Gatekeeper or a separate Gatekeeper datasheet, please visit our website or contact our sales department.

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