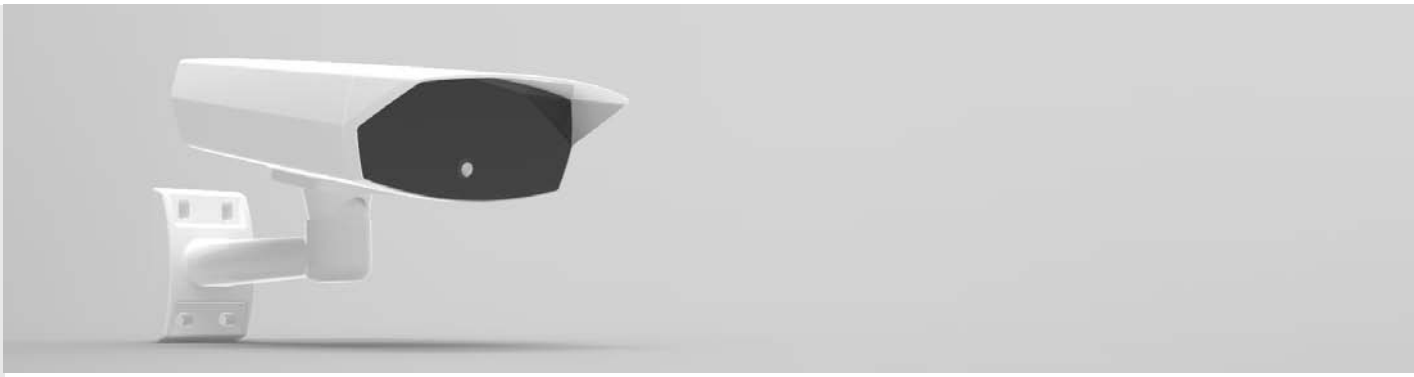
Gatekeeper ANPR series



The Gatekeeper ANPR series offer industry's best performing ANPR cameras with unparalleled edge computing power thanks to its internal dedicated processor and interconnectivity with a vast number of third-party systems. This Gatekeeper range of visual IoT ANPR sensors offer the best performing, real-time solution for vehicles moving with moderate to high speeds (free-flow traffic).
The GK series capture license plates at short range or at longer distances, at high noon or while pitch dark. The GK series enable automating license plate identification and triggering actions according to predefined specifications. No matter the demands, the Gatekeeper series provide a model that meets the requirements.

A Gatekeeper for every ANPR challenge

Every model of the Gatekeeper ANPR series has its own distinctive features, optimized per application.
The Gatekeeper Access 410 (GK_410) and 1250 (GK_1250) are engineered and designed to capture license plates in areas where vehicles are passing with moderate to city speeds. These models are proven to be the best in access control to open a gate to a parking facility or to start a car wash program when a pre-registered vehicle arrives. They are used as a security sensor, alarming operators when black listed license plates are seen. With the increasing number of intelligent devices and end-users getting used to technical assistance, besides law enforcement and security enhancement, the GK_410 and GK_1250 are used more and more as an intelligent tool of convenience.
The Gatekeeper traffic (GK_TR) reads license plates passing by with higher speed, even beyond 200 km/h. This model features a highly sensitive NIR sensor with a framerate of 60 frames per second. Combined with a powerful internal processor this IoT sensor offers world-class, highest speed ANPR.

Model	Video sensor	Lens and reading rate	Speed
GK_410	NIR 1.9MP, 30fps sequencing	4-10 mm motorized zoomlens reading range 2-8 meter	0 to 50 km/h
GK_1250	NIR 1.9MP, 30fps sequencing	12-50 mm motorized zoomlens reading range 6-25 meter	0 to 50 km/h
GK_traffic	NIR 1.9MP, 60fps sequencing	12-50 mm motorized zoomlens reading range up to 20 meter	0 to 200 km/h

ANPR engine

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

CortexFramework

To incorporate video content analysis in solutions and connect that intelligence to existing ecosystems AVUTEC developed an extensive computer vision platform, CortexFramework. CortexFramework provides a development, deployment and management environment, that meets all video content analysis needs.

CortexClient

AVUTEC's graphical interface CortexClient provides drag-and-drop mapping tools, along with a vast library of building blocks(Axons), enabling to easily build and integrate simple to sophisticated real-time video processing applications(Cortexes).

Low total cost of ownership(TCO)

Remotely configurable, CortexFramework ensures cost-effectiveness. CortexClient's extensive set of tools to configure, monitor and manage eliminates on-site maintenance, keeping operational costs low.

SDK

A feature rich developer SDK is available for integrators to build server or client side applications to fit in existing workflows or operational processes.

Wiegand
Due to its built-in Wiegand interface, the GK_410 and GK_1250 connect to any brand of access control system supporting the Wiegand protocol.

I/O extender
The IO extender is a level shifter and a relay board in one, extending the IO pins in the back of the Gatekeeper models. The IO extender amplifies the Wiegand signal generated by a Gatekeeper for interfacing with door and access controllers, also for longer cable lengths. To open a barrier, gate or garage door, the IO extender has two electronic relays to switch a voltage high enough to open a gate. Another IO extender model delivers 6 potential free contacts to control (carwash) machines.

Connector axons
A extended library of out of the box connector axons to interface with existing security systems.

ONVIF
All Gatekeeper models are ONVIF compatible ensuring interoperability with IP-based physical security systems, like VMS (video Management Systems) or NVR's (Network Video Recorders).

Web services
The Gatekeeper's internal CortexFramework features FTP and web service (RESTfull) communication as a pre-built module.

PoE+
All Gatekeeper models are plug and play IoT ANPR sensors (PoE+ IEEE 802.3at powered), just needing a single network cable for both power and (Internet / local) network connectivity.

AVUTEC

As a Dutch developer and manufacturer of ANPR sensors, systems and cloud solutions, AVUTEC'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, AVUTEC provides nothing but the best.
For more information on AVUTEC's Gatekeeper or a separate Gatekeeper datasheet, please visit our website or contact our sales department:

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