

Automated access to parking areas

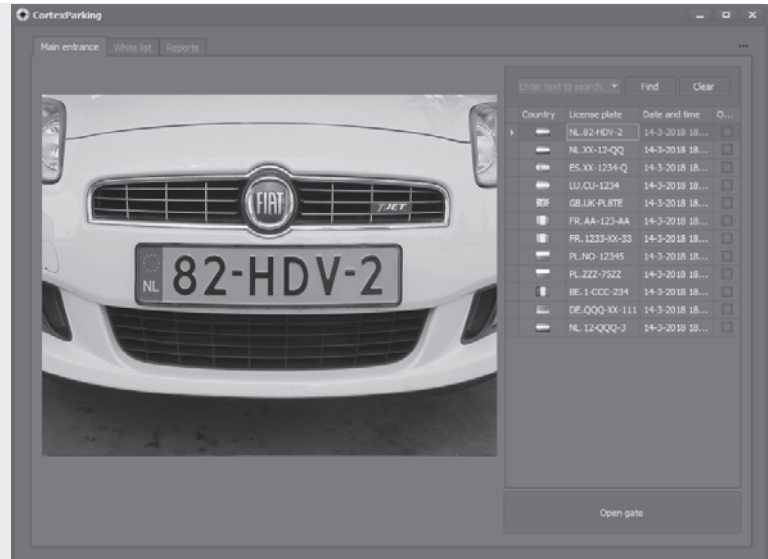
The ready-made, end to end access authorization system of CortexParking provides an easily manageable access application that automates the vehicle entrance of a parking area or business park. Entrance passes, intercoms and remote controls are no longer required, as CortexParking is based on highly accurate ANPR. The Gatekeeper, AVUTEC's intelligent ANPR camera, is supplied with the license free CortexParking application. Together with any electrically operated gate, barrier or garage door, the CortexParking powered Gatekeeper autonomously grants access to registered vehicles. Day and night.

Easy vehicle whitelist registration

During operation, the Gatekeeper reads number plates and checks whether these vehicles have been registered in CortexParking. As soon as a number plate is matched with a registration, the Gatekeeper automatically opens the gate. The most recent registration list of vehicles with granted access is stored inside the Gatekeeper. When CortexParking client is not active, the Gatekeeper will continue to read number plates and open the gate for authorized vehicles.

Live video view

Through a local or remote network, the Windows based CortexParking client is directly connected to the Gatekeeper. It shows a live video view of the entrance and all vehicles in front of the gate. In case a vehicle is not registered or validated for entrance, the gate can be opened with the click of a mouse after a visual check of the live video. CortexParking shows additional information on the identified number plates. This information is specified in the country where the number plate was issued and the date and time of the recognition.



Windows based ANPR management

The CortexParking whitelist function is used to manage the access list of number plates of authorized vehicles. Every particular number plate can have a date period, in which access is allowed. Whitelist management in CortexParking software consists of:

- Add or edit a number plate, this includes the option to grant access for a limited date period;
- Delete a number plate;
- Search for a number plate;
- Export an Excel file with the current active white list;
- Import an Excel file with a new whitelist, to overwrite the operational whitelist.



The Gatekeeper

The main distinctive added value of the Gatekeeper relies on the fact that it is fully remotely managed and that it includes an ANPR embedded server, manufactured by in-house computer vision engineers. Due to the IR Led illumination, the Gatekeeper reads number plates in both low light conditions and the dark. It also features an internal Wiegand interface to connect to any brand of access or door controller to make the Gatekeeper function as a distant pass reader for number plates.

Motorized zoom lenses

For access control and access allowance solutions, there are two identical models of the Gatekeeper: the GK410 and the GK1250. The difference between these two ANPR cameras are the distinct motorized zoom lenses. The GK410 is optimized to read license plates within 2 to 8 meters, while the GK1250 is suitable to read license plates within a 6 to 25 meters distance, even at night. The advantage of these zoom lenses is that the Gatekeeper doesn't have to be placed right next to a gate or road. It can also be mounted on a more distant wall or post.



CortexParking benefits

- More convenience for both visitors and staff;
- More security for your parking area, garage or business park;
- An easily manageable ANPR access control solution for smaller applications;
- User-friendly whitelist management;
- Gatekeeper based, so easily expandable to more complex vehicle-based access control;
- History report function shows all access and recognition activities of a specific period or number plate;

AVUTEC

As a Dutch developer and manufacturer of ANPR sensors and system solutions, AVUTEC's expertise and knowledge have set a benchmark for quality and the best available accuracy. The in-house developed AI hardware and software cooperate seamlessly to provide a maximum accuracy and speed in ANPR or any other Video Content Analysis. From embedded ANPR IoT sensors to a complete computer vision and recognition system, AVUTEC provides nothing but the best, with the highest possible flexibility, all fully remotely managed.