



TRIGGERING SYSTEM

ALPR Camera System can operate in two modes: "Triggered" and "Non-Triggered." "Triggered" can be activated by software or hardware. "Non-Triggered" is also sometimes known as "Free-Flow." "Free-Flow" can be described as a software-based license plate sensing mode. "Non-Triggered" is a state of constant recording and analyzing by the software in search of a license plate on each picture frame.

Because OCR Software processes every picture frame in a search for license plates during "Free-Flow" mode, it can become a resource-intensive solution for high-speed, traffic-congested roads. In addition, rapidly changing lighting conditions can create phantom events or record one event twice. Moreover, when ALPR Camera System functions in "Free-Flow" mode, vehicles without license plates or with damaged plates will be missed by the system.

In "Triggered" operating mode, ALPR System captures the vehicle and an image of the license plate on an exact and deterministic point of the road, guaranteeing 100% of all events being recorded. In this mode, any vehicle at the determined point will prompt the system to generate an event: take a picture of the vehicle and vehicle's license plate. The Camera will generate an event, even if the license plate is unreadable, broken, or absent; the database system will store the event and

image associated with it. The database will also store other important information, such as date, time and place. In addition, alarms can be generated on demand by third-party systems for vehicles without readable licenses.

Accuracy or read rate is not affected by either mode. ALPR Camera System will process all readable license plates. However, it will not process the event when license plates are damaged or absent. In the installations where capturing all of the vehicles/events is imperative, "Triggered" mode is highly recommended. For Access Control Installation, "Triggered" mode is required.

In order to operate the gate with License Plates Readers, the Access Control System will require an external 3rd party sensor to trigger the ALPR camera. Hardware triggering systems include the Loop, Loop Detector, and Web Relay. In most Access Control Installations, Vehicle Loops and Loop Detectors are used to detect the presence of a vehicle to open a gate, or as a safety device to prevent the gate from closing on a vehicle in its path. The same loop can be used to trigger the ALPR Camera System. In general, loop vehicle detectors from all manufacturers operate under the same principle, and all will work reliably if the installation is done properly.