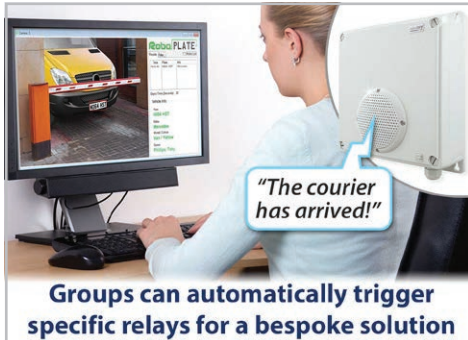




RoboPlate ANPR Software can trigger the opening of gates, barriers and more using this low-cost LAN relay module.

- Opening gates, barriers, lower bollards and more!
- Delay the trigger up to 99s if required
- Works over a LAN
- Ideal for automating vehicle access
- Works with RoboPlate Groups
- Trigger different relays, at different times on different days



Groups can automatically trigger specific relays for a bespoke solution

Using this add-on module alongside the main RoboPlate ANPR software not only do you capture a vehicle registration plate but you can match it against a white list to open a gate, barrier or other access control equipment.



Trigger specific relays instantly when a number plate is captured

## More Details

Whilst the main software captures, adds and matches (if required) against your approved list of vehicles, this module can follow a match (or a simple capture) with a trigger across your Local Area Network to activate other control equipment such as gates, doors, barriers and more.

Triggering any network attached relays via TCP/IP once a vehicle has been tested, you could use the module to automatically open the gate to your yard when one of your fleet vans approaches..

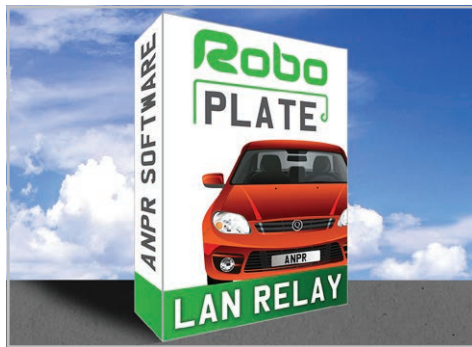
Includes built in support for ZAP branded access control equipment as standard but can also be programmed with user defined trigger and release commands for third party devices.



Delay relay triggers by up to 99 seconds after a plate has been captured

## Automatically trigger specific relays

Once a number plate is captured and assigned to a specific membership group such as Staff, Contractors or Customers, specific triggering of relays can be established to create the desired actions/results. For example staff vehicles could automatically raise barriers by simply driving to them, certain couriers arriving could be given access but also sound an alarm to alert the warehouse.



## Schedule when relays are active

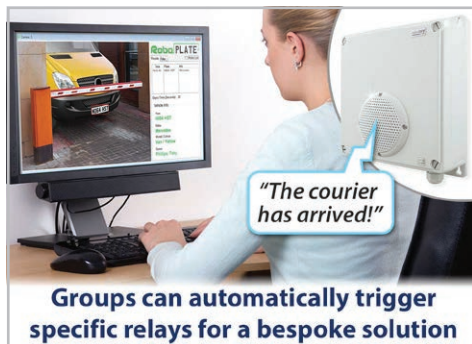
It's also possible to schedule when the relays are active so that an automation only occurs during working hours or daylight. This might mean that security gates don't open out of hours or maybe there's an outside light which only needs to come on if somebody arrives at night.

## Delay relay triggers

Relays can be set to trigger up to 99 seconds after the plate is captured, this could give a vehicle enough time to travel up a long drive way, for example, before the gates are opened.

## Quick & Easy Setup

RoboPlate software provides the user with everything they need to get up and running with ANPR. Simply set up a suitable CCTV camera to capture your number plate on your new or existing DVR/NVR, enter the required connection information in the RoboPlate software and you'll be capturing a list of number plates in minutes.



## Plates added to Database for Later Searching

As use of RoboPlate continues, the database of number plates builds up. As each plate result is stored with a date and time stamp too, it can be interrogated to find any emerging patterns of behaviour such as a suspect vehicle in the car park late at night.



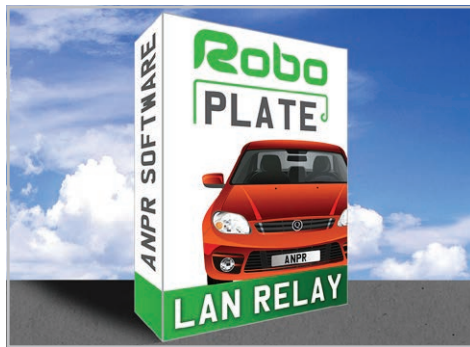
## White List Comparison to Trigger Actions

RoboPlate LITE and STANDARD both have the ability to log the plates recognised by a camera and compare them against a white list for a subsequent action to follow. For example a fleet vehicle registration match to a white list might trigger a relay to open a security barrier to an unloading bay.



## Group Membership to Manage Vehicle Access

STANDARD has the added benefit over the LITE version of "Group Membership" a feature that's ideal for larger businesses. With Group membership you are able to limit the trigger action to within a predetermined schedule. For example you might trigger your car park gate to allow access to staff Mon-Fri 8am to 8pm, whilst Managers can access 8am-8pm including weekends but a security patrol vehicle might have access 24/7 without interruption.



## Manage Vehicle Access then Trigger Actions

A date range field can also be added to this membership to control access during holiday periods or to control access by temporary staff or contractors. Groups on a single site might include:

**Key Holders Night** - Everyday 8pm-8am triggers an Action Group to open main entrance gate, switch on a photocell controlled courtesy light then email a monitoring centre.

**Key Holders Day** - Everyday 24/7 triggers an Action Group to open main entrance gate, switch on a photocell controlled courtesy light then nothing.

**Security Patrol** - Everyday 24/7 triggers an Action Group to open main entrance gate, switch on a photocell controlled courtesy light then email the Operations Manager so they are aware the patrol has taken place.

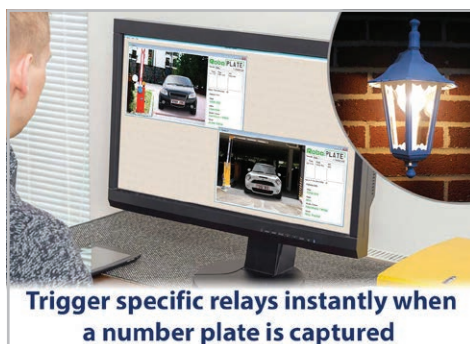
**Management** - Everyday 8am-8pm triggers an Action Group to open main entrance gate, switch on a photocell controlled courtesy light then nothing.

**Staff** - Monday-Friday between 8am and 6pm all year round triggers an Action Group to open the main gate entrance.

**Approved Contractors** - Monday-Friday between 8am and 10pm all year round triggers an Action Group to open the main gate entrance then plays a delayed message asking them to report to reception.

**Seasonal Staff** - Monday-Friday between 8am and 6pm from 1st to 24th December only triggers an Action Group to open the main gate entrance.

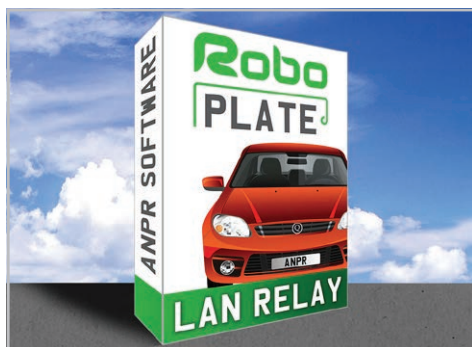
**Customer** - Monday-Friday between 8am and 6pm all year round triggers an Action Group to open the main gate entrance then plays a delayed message asking them to proceed to visitors parking area and report to reception.



## Network Control over Vehicle & Access Control Equipment with LAN Relay Module

RoboPlate LITE and Standard are easy to integrate into a network using the add-on LAN Relay module to give control over network security devices such as Access Control equipment like the ZAP range. For example a match with a vehicle white list of a staff number plate could provide double verification of who they are before they try and access the building.

A handy delay feature of up to 99 seconds is useful if you are capturing a vehicle prior to it reaching a barrier or gate so you can delay its opening.



## Low Cost Bolt-On Modules for Added Functionality

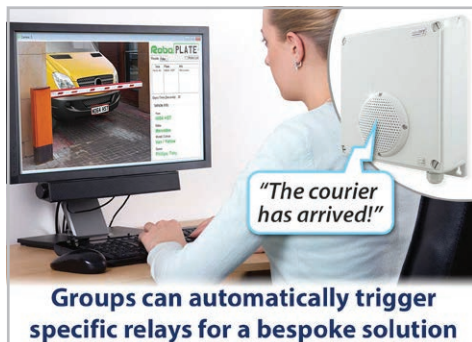
Both RoboPlate LITE and Standard include 3 modules:

**Capture** – where it captures the image, deciphers and logs the vehicle licence plate

**Configure** – where subsequent actions can be set up such as Pop-Ups and Email sending and more meaningful data can be added to the plate record.

**Search** – where the operator can search for occurrences of a plate (in part or full) to filter when and where it has been detected.

Additional modules are available to allow extra PC users to interrogate the results captured by the main program; these include both Configure and Search functions. An example might be where the main RoboPlate copy is run by the IT department but extra modules are run by the HR department to monitor staff attendance.



Groups can automatically trigger specific relays for a bespoke solution



Trigger specific relays instantly when a number plate is captured



Delay relay triggers by up to 99 seconds after a plate has been captured

## System Requirements

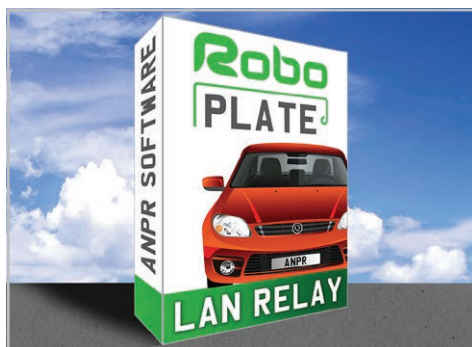
Operating System	Microsoft Windows 7, 8, 8.1 or 10 both 32bit and 64bit supported*
Processor	Intel i3 minimum
RAM	32Bit Windows: 4GB / 64Bit Windows: 8GB
Graphics Card	Dedicated card recommended
Screen Resolution	1920 x 1080 required
Hard Disk	Installation requires approximately 6Mb
Internet Connection	Internet connection is required for registration and activation purposes initially and subsequently for support purposes thereafter. An Internet connection is not required for normal day-to-day program operation.

\*Windows XP, Vista and server editions are not supported.

## Licensing

Licences	1 per PC
Support Period	12 months. Free updates available within the support period*

\*Downloads within the support period are available via your personalised Control Panel.



## FAQs

Can you trigger LAN relays using RoboPlate ANPR software?

*Answer*

Yes, with the convenient RoboPlate Lan relay module you can. This module adds extra functionality to the configuration screens of your RoboPlate ANPR setup. It allows you trigger network relays connected to third party devices such as security gates and barriers. You can even choose when the relays are triggered, either immediately after a number plate is captured or delay the trigger by up to 99 seconds.

How do you trigger a network relay using the RoboPlate ANPR Lan relay module?

*Answer*

Relays are triggered when a vehicle plate in a corresponding whitelist is captured. Each group can be set to trigger different relays. For example vehicles in the "Staff" group may be trigger the main gates to open when captured. Vehicles in the "Couriers" group are set so they don't trigger the main gates to open but do trigger the barrier to rise allowing access to the service entrance etc.

Are network relays triggered instantly or after a delay when using the RoboPlate ANPR Lan relay module?

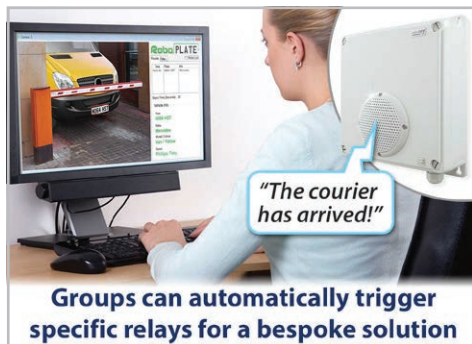
*Answer*

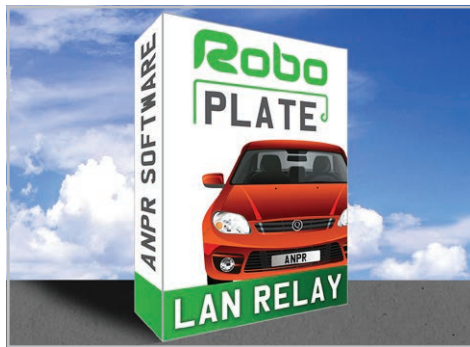
Relays can be set to trigger the instant a plate is captured or delayed for up to 99 seconds. Relays can also be scheduled for certain periods so that they can only be triggered on set days within set times.

What DVRs work with the RoboPlate ANPR software?

*Answer*

At the time of writing RoboPlate only supports Alien branded HD-TVI or HD-SDI DVRs with a corresponding HD camera. IP cameras are currently not supported from these devices. Additional information will be made available online at RoboPlate.com in due course.

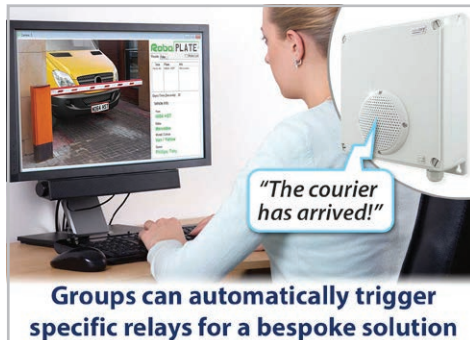




What sort of cameras do you need for the RoboPlate ANPR software?

### Answer

A regular HD CCTV camera is all RoboPlate ANPR software requires but good lighting and appropriate camera settings will all help to improve image quality and therefore detection and recognition rates. A simple test is that if a number plate cannot be read by the naked eye then it is unlikely to be captured by a standard CCTV camera which means that RoboPlate will not be able to read it either.



What resolution image does RoboPlate ANPR software require?

### Answer

RoboPlate can process images captured at 1280x720 or 1920x1080, for DVRs, this should be the recording resolution.



Can an analogue DVR be used with the RoboPlate ANPR software?

### Answer

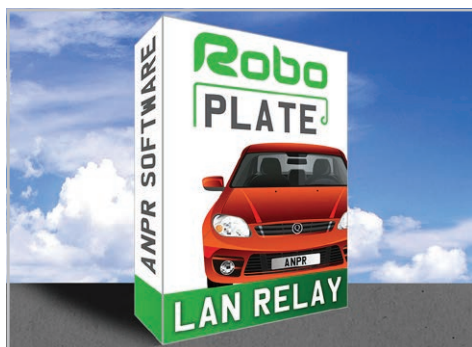
Not really, older technology simply doesn't have the detail required. An image resolution of 4CIF, 705x576 or below does not provide sufficient pixel density to deliver a successful result. It would need to be a very closely cropped view of the plate for 4CIF to make a reading so in reality an entry level HD resolution of 1280x720 is required. You could say that investing in ANPR software is a little wasted if you had not invested in a HD CCTV system first.



Does RoboPlate ANPR software work in bad weather such as rain, fog or snow?

### Answer

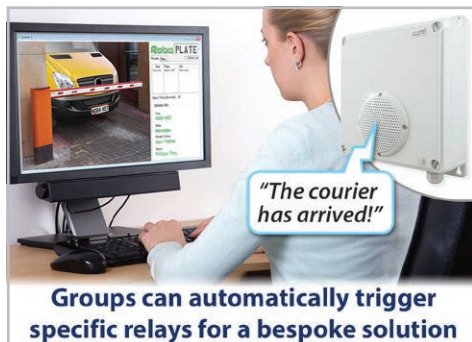
Anything that prevents a clear view of a vehicle registration plate will hinder the program's ability to obtain a successful result. This includes rain, fog, snow and other obstructions. You will need to keep the lens of your camera clean and free from cobwebs too.



## Can RoboPlate ANPR software read non-standard number plate characters?

### Answer

RoboPlate uses OCR / shape matching technology to identify characters by their outline. It does not look for or match to specific fonts. It expects characters to be regular upright shapes in keeping with license plate guidelines rather than fancy/italic style. Some owners of 'private plates' in the UK re-position mounting screws or deliberately change a character's shape to make their plate more desirable, in doing so, they will make recognition harder.



## How slow do vehicles need to be travelling for RoboPlate ANPR software to capture the number plate?

### Answer

RoboPlate captures about two frames per second directly from the DVR so it is intended for slow moving traffic that stays in the field of view for a reasonable amount of time to achieve this. It is good to bear this in mind at the time of installation as you can try to position your camera facing oncoming vehicles head on where they may naturally slow down or stop such as at a gate way, barrier or narrowing of the road.



## Quick Links

### RoboPlate ANPR - Standard Version

<https://softcctv.com/store/Item/RoboPlate-ANPR-Number-Plate-Recognition-Software>



### RoboPlate ANPR - Dual Channel Version

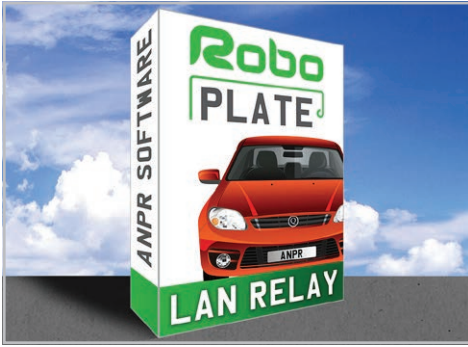
<https://softcctv.com/store/Item/RoboPlate-Dual-Channel-ANPR-Number-Plate-Recognition-Software>



### RoboPlate ANPR - Search Module

<https://softcctv.com/store/Item/RoboPlate-ANPR-Number-Plate-Recognition-Database-Search-Module>





## RoboPlate ANPR - FTP Module

<https://softcctv.com/store/Item/RoboPlate-ANPR-Number-Plate-Recognition-FTP-Upload-Module>



## RoboPlate ANPR - Configure Module

<https://softcctv.com/store/Item/RoboPlate-ANPR-Number-Plate-Recognition-Database-Configuration-Module>



**Groups can automatically trigger specific relays for a bespoke solution**



**Trigger specific relays instantly when a number plate is captured**



**Delay relay triggers by up to 99 seconds after a plate has been captured**