Paxton Using an Automatic Number Plate Reader (ANPR).

APN-1103

Paxtor

Overview

An ANPR system uses an infrared camera to read the vehicle number plate, process the information and then pass the details via a 26 bit Wiegand output to the Net2 ACU reader port.

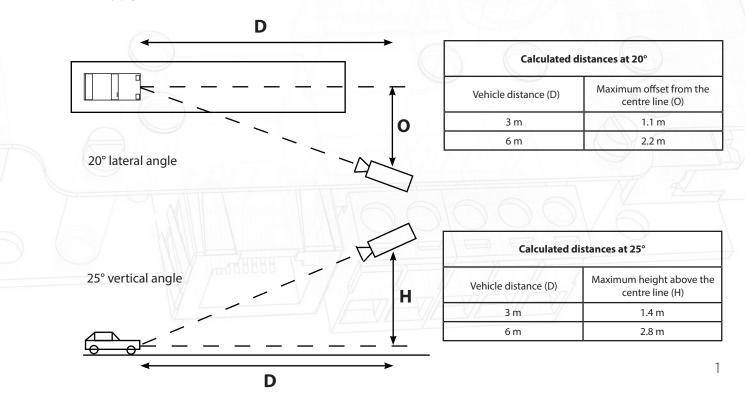
Enter the user's number plate details into their Net2 user record. When the vehicle plate has been read by the ANPR, access is then granted as appropriate and the event logged by Net2.

Site suitability

- The camera is sited 3 to 6 metres from the required read location.
- The lane width is no wider than 3.5 metres.
- The vertical camera angle does not exceed 25° or the lateral angle 20°.
- Vehicle headlights are not directly pointing into the lens.
- There is a clear view of the number plate without any temporary or permanent obstacles. (e.g. Waiting, passing or parked vehicles, barriers and bollards)
- The sun is not directly behind the subject and reflections from the number plate will not dazzle the camera.

Viewing angle

To reduce distortion of the number plate as it passes the cameras field of view, the following recommendations should apply. The maximum camera offset from the vehicle centre line can be found in the tables.



Net2 APN-1103

Configuring - Net2 software (v4.13 or later)

Net2 Access Control				
	ш	ACU serial number: 00400413 Door name Door open time (seconds) Unlock the door during	Front Door 7 * seconds At no time 0 Inly unlock the door once a user has been granted access	Apply Cance Open do
 ACU 00108266 ACU 00108268 ACU 00108271 ACU 00108275 ACU 00116392 ACU 00150106 ACU 00163425 	-	Reader 1 Reader 2 Alarm Ev Reader details Name Reader type Keypad type	rents Fire alarm inputs Intruder Alarm Access rights Camera integration Front Door (In) ANPR - 26 bit Wiegand reader None	
Net2 actions	*	Token data format	ANPR - 26 bit Wiegand	w <u>f</u> ormat
Open door	~	Operating mode Reader operating mode Timed operating modes - This (I Token only allows for different reader operation during a selected timezone.	•
Net2 details	۲	During this timezone:	All day, every day	

Run the Net2 software and select the ACU and reader port where the camera is connected.

Set the Reader operating mode to 'ANPR - 26 bit Wiegand Reader'. The 'Token data format' will then also display ANPR - 26 bit Wiegand automatically.

The user record requires the number plate details to be added. Select the user, click on 'New token' and select 'Vehicle number plate'. Enter the details (no spaces necessary) and click OK. Click Apply on the record to accept the new token.

Bidgood, Martyn First name	Martyn	- Bul
Surname	Bidgood	
Department	(none)	▼ New dept.
Telephone	Fax	
Personnel number	Valid from	Expires end
		expires one
Access rights Takens Other	letails Memo Events Current validity Anti-passback	
PIN Auto PIN	Card template EchoStar Card	▼ New token
12345678 53 1	ANM Add new token	Lost token Found token Change token type
	1) Select token type Unspecified Proximity Card Proximity ISO card Proximity ISO card no magstripe keyrob Hands free token Hands free token Watchprox Vehicle number plate 2) Enter token number	
	2) Erker token number S3MNM OK Cancel	