# Paxton Using an Automatic Number Plate Reader (ANPR).

#### 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.



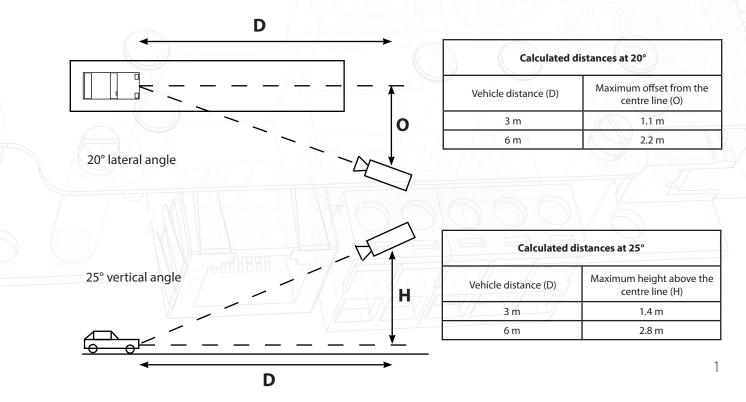
AN1103

### 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 AN1103

## Configuring - Net2 software (v4.13 or later)

Net2 Access Control				
Events	=	ACU serial number: 00400413		
🕀 戅 Users	-	Door name	Front Door	
🕀 🏪 Access levels		Door open time (seconds)	7 seconds	
🕀 🖖 Timezones				
🖃 📕 Doors		Unlock the door during	At no time	
ACU 00108260			Only unlock the door once a user has been granted access	
ACU 00108262				
ACU 00108268		Reader 1 Reader 2 Alarm	Events Fire alarm inputs Intruder Alarm Access rights Camera integration	
ACU 00108271				
ACU 00108271		Reader details		
		Reader details Name	Front Door (In)	
ACU 00108275		Reader details Name Reader type		
ACU 00108275 ACU 00116392	•	Reader details Name	Front Door (In)	
ACU 00108275 ACU 00116392 ACU 00150106	•	Reader details Name Reader type	Front Door (In) ANPR - 26 bit Wiegand reader	
ACU 00108275 ACU 00116392 ACU 00150106	*	Reader details Name Reader type Keypad type Token data format	Front Door (In) ANPR - 26 bit Wiegand reader None	
ACU 00108275 ACU 00116392 ACU 00116392 ACU 00150106 ACU 00163425 Net2 actions	*	Reader details Name Reader type Keypad type	Front Door (In) ANPR - 26 bit Wiegand reader None	
ACU 00108275 ACU 00116392 ACU 00150106 ACU 00163425	*	Reader details Name Reader type Keypad type Token data format	Front Door (In) ANPR - 26 bit Wiegand reader None	
ACU 00108275 ACU 00116332 ACU 00150106 ACU 00153425 Net2 actions Open door	*	Reader details Name Reader type Keypad type Token data format Operating mode Reader operating mode	Front Door (In) ANPR - 26 bit Wiegand reader None ANPR - 26 bit Wiegand  Viegand	

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	
Surname	Bidgood	
Department	(none)	▼ New dept.
Telephone	Fax	
Personnel number	Valid from	
	28/04/2008   Never expires	
Access rights Tokens Other	details   Memo   Events   Current validity   Anti-passback	
PIN Auto PIN	Card template EchoStar Card	
12345678 S3	мим	New token       Delete       Lost token       Found token       Change token type
	Add new token  1) Select token type  Unspecified  Proximity card  Proximity ISD card	
	Proximity ISO card no magstripe     keyfob     Hands free token     Hands free keycard	