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Experience the next level of ANPR Technology.



Access Approve

Card Number: 045279
Employee Name: Justin
License Plate: ELID 1234
Car Make : Honda
Car Color : Red

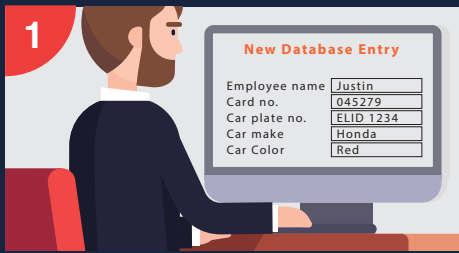


ELID-ANPR Automatic Number Plate Recognition

With ever-rising security concerns in access control, automatic number plate recognition systems that grant access merely by verifying the license plate are fast becoming a subpar solution for most consumers. ELID-ANPR 2.0 is a next-gen ANPR system that deploys state-of-the-art AI technology to recognize not just the license plate, but the make and color of the vehicle as well. Thus, the system can be configured to grant access only if the license plate, make and color of the vehicle all match, thereby enforcing multi-layered verification. So now, you get to enjoy the usual effortless access that ANPR provides, but at a much higher level of security!

we make your world secure 🔑

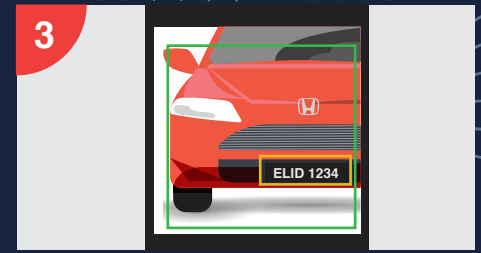
How ELID-ANPR 2.0 works?



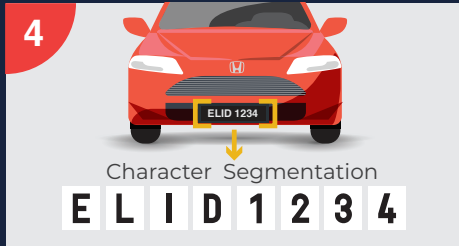
1 User registration : name, card number, car plate number, car color, car make.



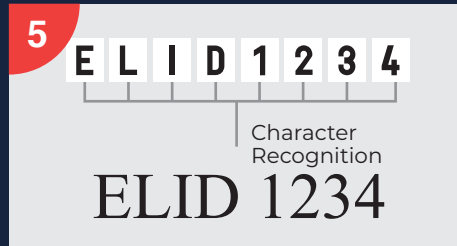
2 Live screen guides user if car not in camera's field of view.



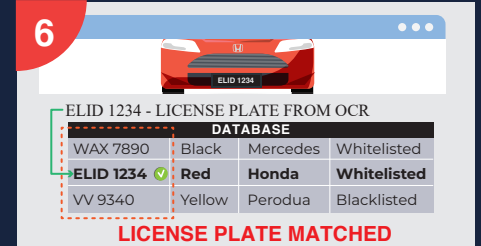
3 Detect car and plate.



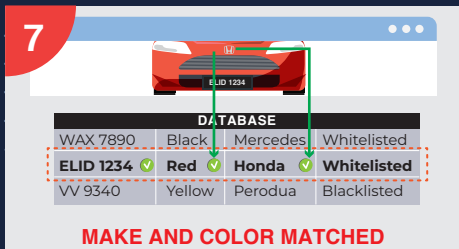
4 Extract individual character images.



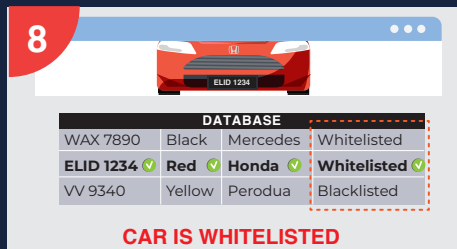
5 Perform optical character recognition (OCR) to obtain license plate.



6 Check if recognized license plate is in the database.



7 If found, check whether registered. car make and car color match

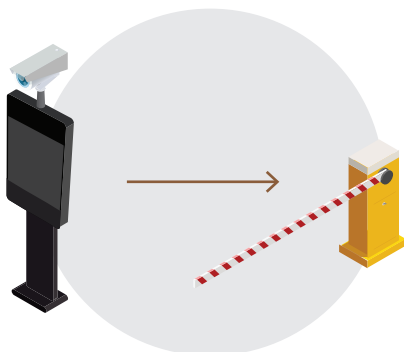


8 Check if car is blacklisted/whitelisted.

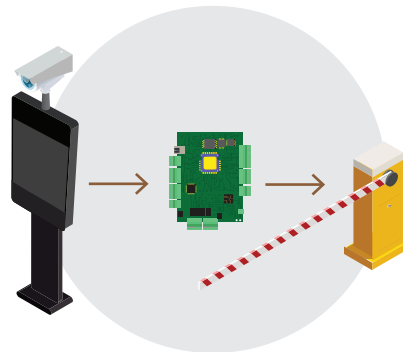


9 Display recognition information on screen and lift barrier gate.

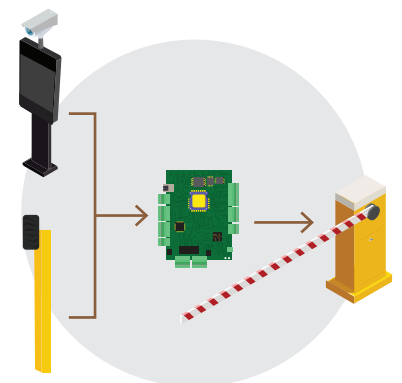
Operation Modes:



Solitary, standard output :
ELID-ANPR directly controls the barrier gate.



Solitary, wiegand output :
ELID-ANPR sends wiegand to car park controller

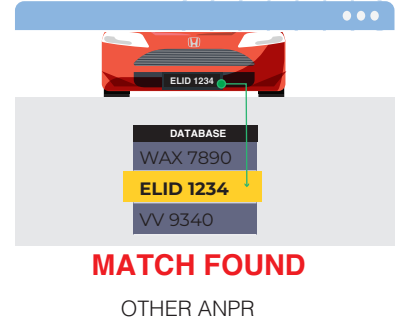
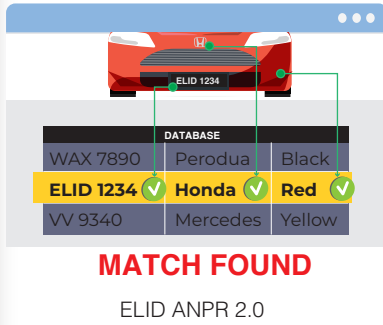


Parallel Configuration With Card Reader : ELID-ANPR wiegand output and standard card reader wiegand output connected in parallel to wiegand input of the car park controller

ELID-ANPR 2.0 vs Other ANPRs

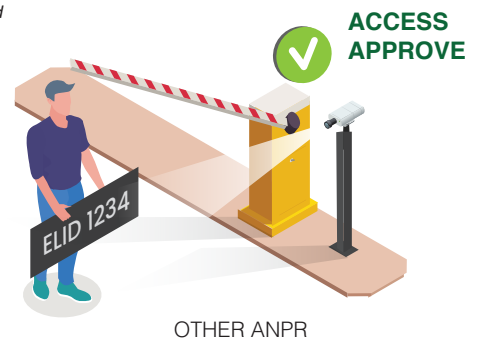
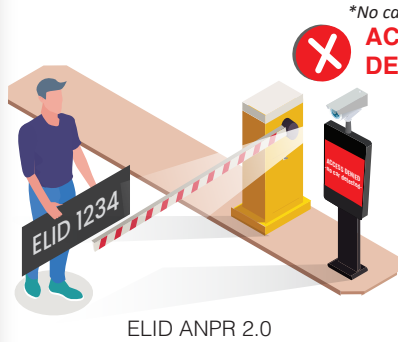
User-defined Multi-layer security

Normal ANPR only checks the license plate, but ELID-ANPR 2.0 has additional layers of verification such as car make and car color.



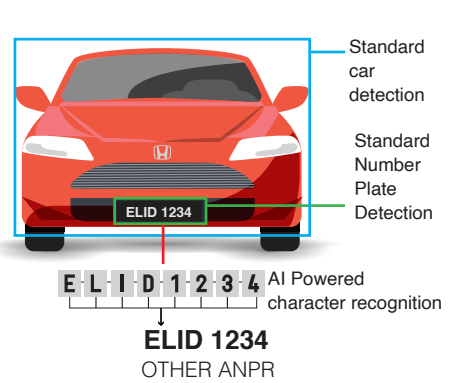
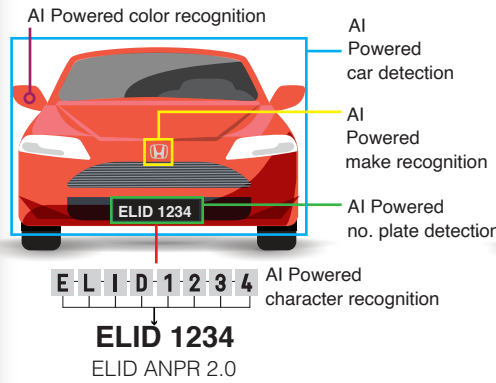
Difficult to trick

Normal ANPR will allow entry if someone writes the license plate on a big piece of paper or signboard, but ELID-ANPR 2.0 verifies that the plate is within a detected car and the size proportions are appropriate.



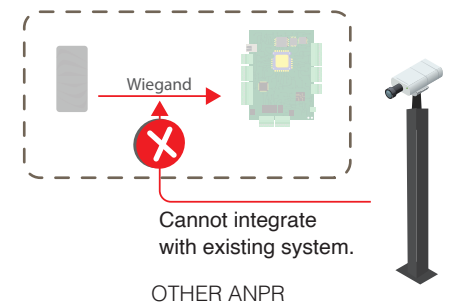
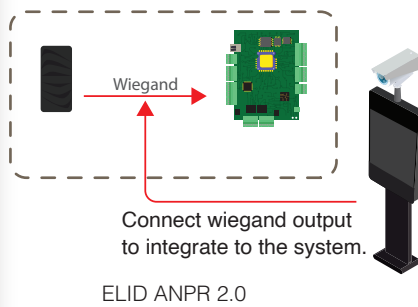
System-wide AI deployment

Normal ANPR deploys standard methods for miscellaneous functions but ELID-ANPR takes an AI-based approach to all fundamental functions such as license plate detection, car plate recognition, car make recognition, car color recognition.



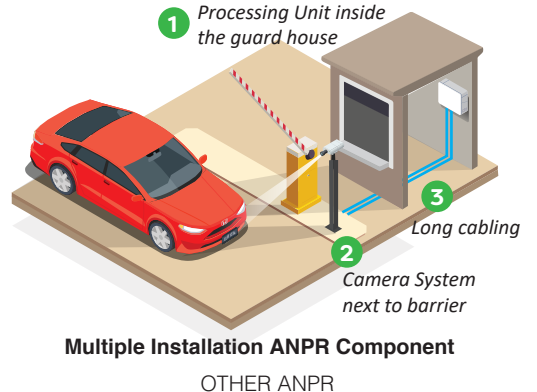
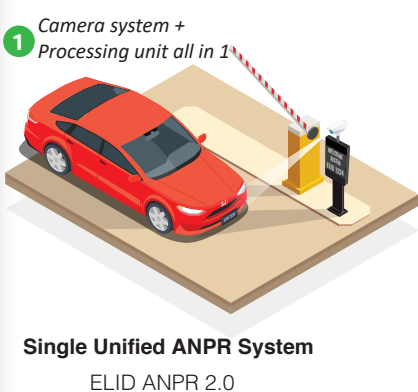
Effortless integration

Normal ANPR don't provide connectivity to third-party access controllers. ELID-ANPR 2.0 can be integrated with any access controller that takes in a wiegand signal.



Easier installation

Normal ANPR has separate components, but ELID-ANPR 2.0 is a single unified hardware.

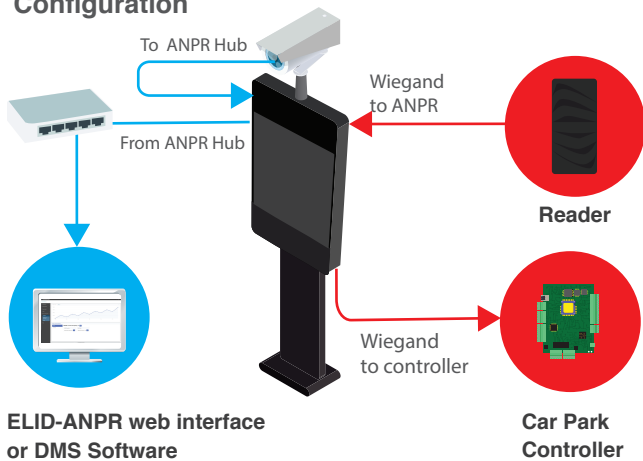


Specification

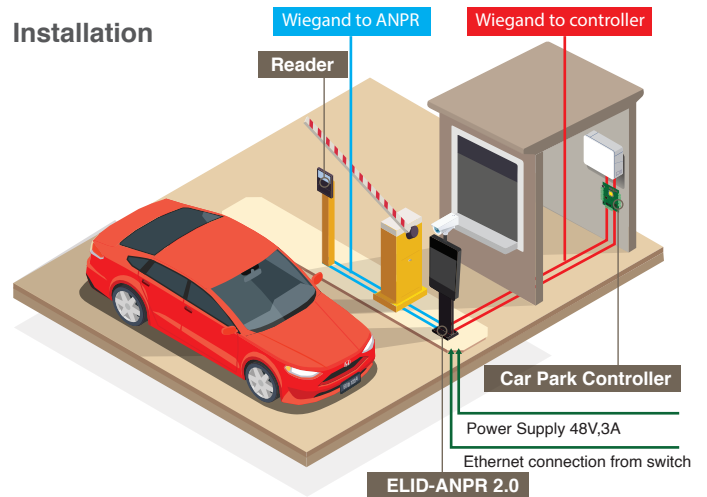
Model No.	EV-210-001
Processors	Hexa-Core : Quad-core Cortex-A73(up to 2.4Ghz) + Dual-core Cortex-A53 (up to 2Ghz)
Memory	4GB RAM, 16GB ROM
Device Operating System	Linux
ANPR Camera	1/2.8" 2 MP Sony STARVIS CMOS sensor; 1080P; True WDR 120dB; Motorized varifocal lens 2.7mm~13.5mm
Display Screen Size	12 inches
Recognition Distance	1.5 meters - 6 metres
Recognition time	0-3 seconds
Recognition accuracy	>95%
OCR algorithm	Deep neural nets
Number of makes recognized	22
Number of colors recognized	14
User Operating System	Windows ONLY (minimum Windows 7)
Supported Language	English
User Interface	Web Browser or ELID Device Management System (DMS)
Browser Compatibility	Google Chrome (recommended), Mozilla Firefox
Maintenance	Firmware upgrade through web interface or DMS
Power supply	48V/3A DC
Operating Temperature	-10°C - 60°C (14°F - 140°F)
Cooling Fan	Included
Ethernet	Gigabit Ethernet 10/100/1000
Controller Compatibility	Can be integrated with any standard access controller
Reset Button	Included
Number of Relay Outputs	4
Number of Inputs	4
Wiegand Output	Yes
Evidential records	Approximately 35000 evidential images of cars (recognized/unrecognized/blacklisted) can be stored

System Configuration & Installation

Configuration



Installation



Ordering Information

EV0210L01

EV210 (1-Lane) ELID-ANPR 2.0: Automatic Number Plate Recognition c/w 1x LPR Camera and 1x System Box mounted on pole. System Box includes hexa-core CPU, IO board, display controller, display screen, network hub & PSU housed within metal casing.



For more information: Check out the website at www.elid.com, or contact our dealers. ELID has a policy of continuous research and development, and reserves the right to change specifications without notice.

www.elid.com