

ANPR Camera (ITC215) with Wiegand Converter (IPM-AE7-0020A)

1. Connection:



converter	ANPR camera
A	RS485 A1
B	RS485 B1
	Power supply(12V,05A)
G	GND
12V	VCC
	Access Control Device
G	GND
D0	D0
D1	D1

2. Firmware:

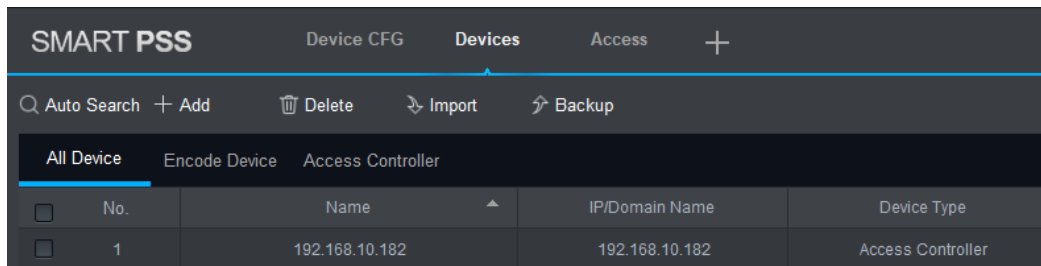
ANPR Camera: [General_ITC215-PW4I-XXX_Eng_PN_Oversea_ITCPUSH_EuropeENTRANCE_V2.623.0000000.0.T.200420](#)

3. Test with Dahua's Access control device:

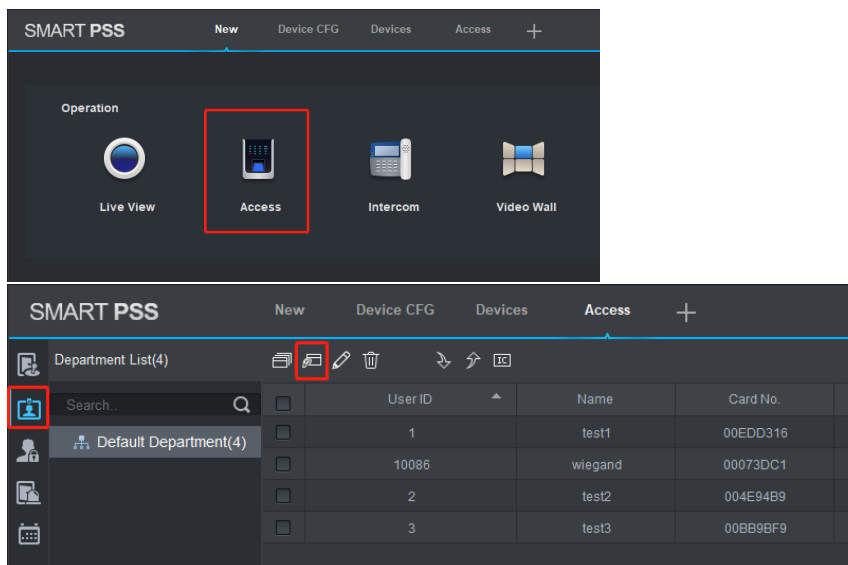
Access Control Device: ASI1201E (No need for special firmware)

Platform: SmartPSS (No need for special version)

Add access control device in SmartPSS:



Create a user in SmartPSS-Access module:



The screenshot shows the 'Add User' dialog box with the 'Basic Info' tab selected. The 'Card No.' field displays 'Card Reader not ready!' and the 'Reader2' dropdown menu is open. The 'Card Type' is set to 'General Card'. The 'Valid Time' is set to 3653 days. The 'Upload Picture' button is visible next to the user profile picture placeholder.

Giving the user an ID and name;

The screenshot shows the 'Add User' dialog box with the 'Basic Info' tab selected. The 'Card No.' dropdown menu is open, showing 'Device' selected. The 'Card issuer' field is also visible. The 'Valid Time' is set to 3653 days. The 'Upload Picture' button is visible next to the user profile picture placeholder.

Here, choose "Device", and find the access control device;

Add User

Basic Info Fingerprint Info Details

User ID: *

Name: *

Department: Default Department

Card No.: Card Reader not ready! Device: 192.168.10.182

Card Type: General Card Door 1

Card Password:

Unlock Password:

Number of Use: 200

Valid Time: 2020/4/22 0:00:00 2030/4/22 23:59:59 3653 Days

Reader1
Reader2

Image Size: 0 ~ 120KB
Upload Picture

Continue t... Finish Cancel

Further, choose Reader2 here.

WEB SERVICE V3.0

Guide Live Query Setup Alarm Logout

Main Stream Sub Stream Protocol: TCP Fluency: Default

ANPR Receive Record Type: d3v

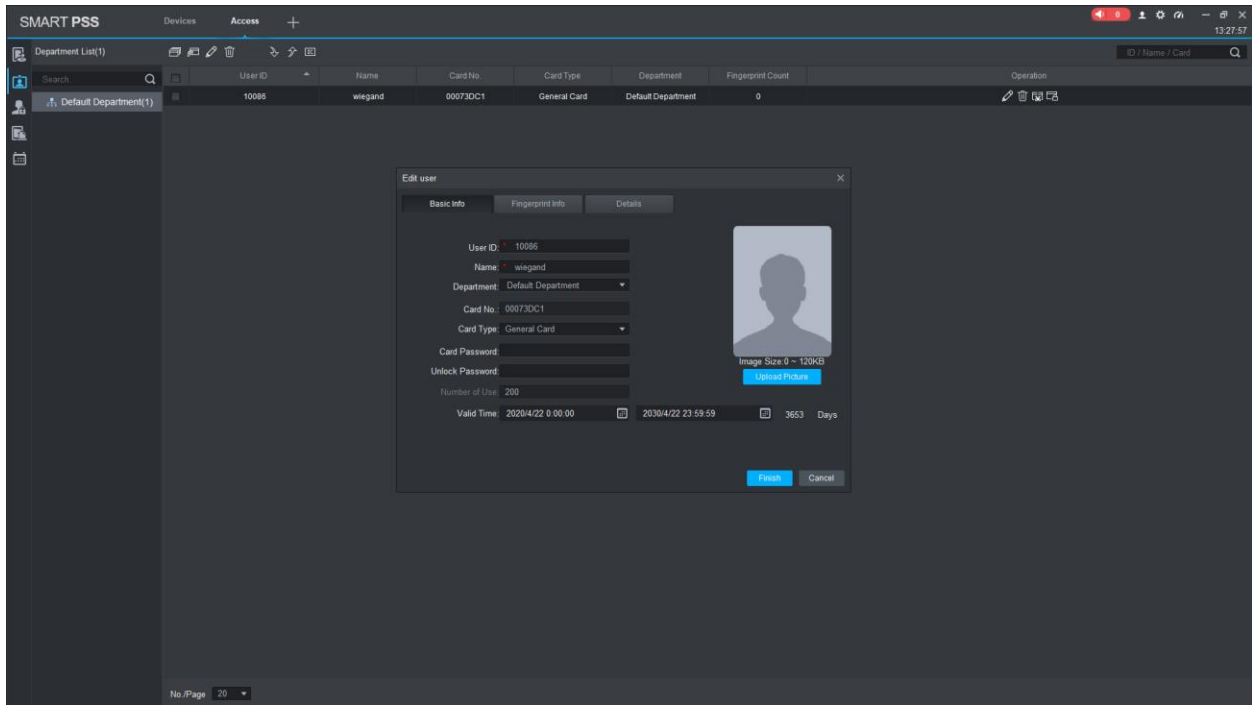
638Kbps 2020-01-01 23:57:15 7TECKEN Unknown

Index	Event Type	Capture Time	Plate	Region	Plate Size	Vehicle Sign	Vehicle Type
1	ANPR	2020-01-01 23:57:15	7TECKEN	Unknown	157x40	Unknown	Unknown

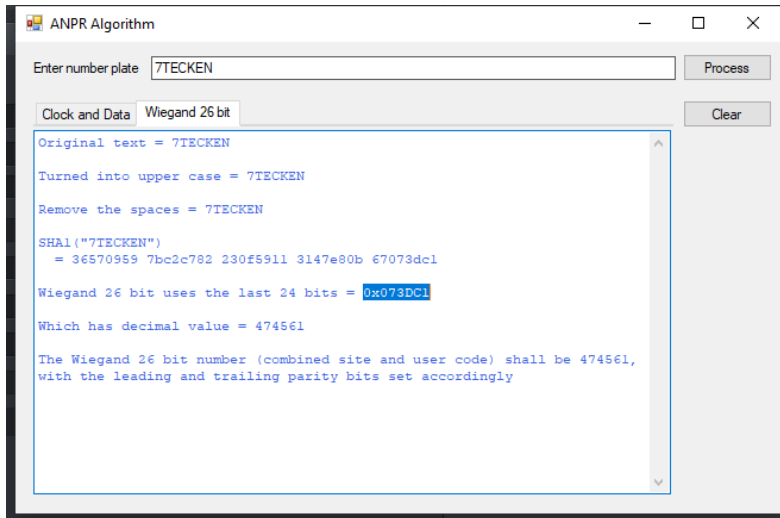
Obtain Plate Info
7TECKEN

Real Plate Info
7TECKEN

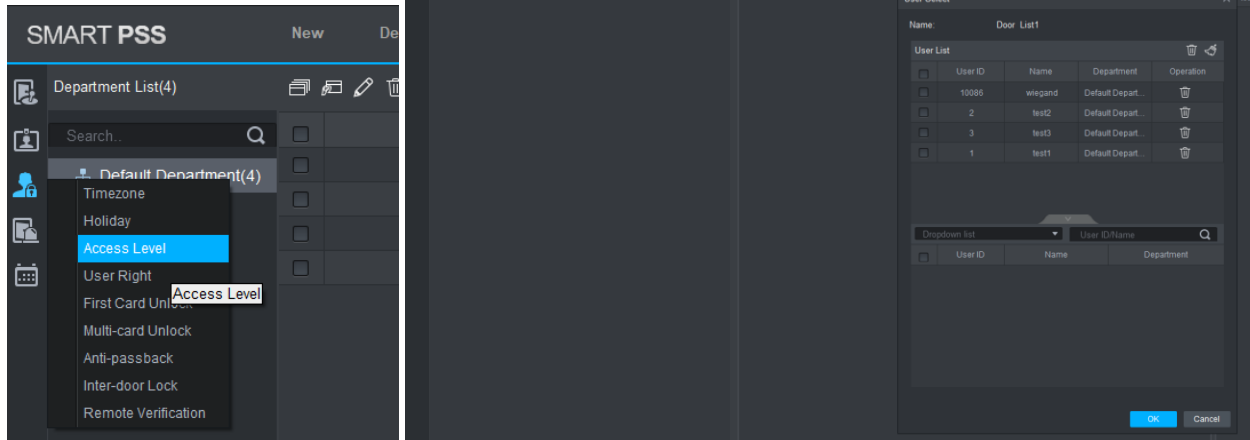
Let the license plate be read by ANPR camera, the license number will be transcode in to the Card No by **SHA1**.



Once the license plate number has been read by ANPR camera, it will be automatically registered into the card no.



There is a tool for you to verify the transcode process.



Then go to the “access level” section for giving the authority to the user opening the door.

That is pretty much for the configuration.

4. Results:

The moment ANPR correctly captures and reads the registered license plate the door will be open accordingly.

WEB SERVICE v1.0

Guide Live Query Setup Alarm Logout

Main Stream Sub Stream Protocol TCP Priority Default

ANPR Receive Record Type div Config,LPis

Obtain Plate Info

NA232TI

Real Plate Info

Index	Event Type	Capture Time	Plate	Region	Plate Size	Vehicle Sign	Vehicle Type
63	ANPR	2020-04-22 15:03:11	NA232TI	GEO	210x47	Unknown	Unknown
62	ANPR	2020-04-22 15:03:04	SAK884	GEO	154x38	Unknown	Unknown
61	ANPR	2020-04-22 14:43:09	BT8535AA	UKR	180x38	Unknown	Unknown
60	ANPR	2020-04-22 14:41:53	NB21	Unknown	169x40	Unknown	Unknown

SMART PSS

Organizations

- Default Group
 - 192.168.10.182
 - Door 1
 - 3253
 - 3443
 - GDX-TC215
 - LinmanNVR
 - PTZ-OFFICE
 - xxxx
 - 3168
 - 3204
 - 3210
 - 3286
 - L-NVR

IP-192.168.10.182

Device Type ACS

Device Mo...ASH1201E

Status Online

Event Info All Alarm Abnormal Normal

Time	Event	Description	Operation
2020-04-22 09:03:12	192.168.10.182Door 1	Lock Event	
2020-04-22 09:03:11	192.168.10.182Door 1	Unlock Event	
2020-04-22 09:03:11	192.168.10.182Door 1 OUT	test02 General Card Card Unlock	
2020-04-22 09:03:05	192.168.10.182Door 1	Lock Event	
2020-04-22 09:03:04	192.168.10.182Door 1	Unlock Event	
2020-04-22 09:03:04	187.188.63.183Door 1 73.07	test01 General Card Card Unlock	