

APPLICATION NOTE

OFFLine Access

Settings for HIK Vision camera DS-2CD4A26FWD-IZSWG/P for use as ANPR camera in Web Server system - WS4

C001

Necessary steps

1. Make firmware update of HIK Vision Camera (model: **DS-2CD4A26FWD-IZSWG/P**)
2. Make Firmware update of the wiegand converter WS4-CNV
3. Set the Reader type as "Bar Code"
4. Put the license plate (full, with letters, without spaces) in USER, as card number.

1. Make firmware update of HIK Vision Camera

- Download the firmware here:

http://software.xprgroup.com/Firmware/Webserver%20WS4/WS4-CNV%20Wiegand%20converter/For%20HIK%20vision%20license%20plate%20recognition%20camera%20DS-2CD4A26FWD-ZSWG_P/

It is a .dav file 21MB.

Now, enter the camera via Browser, Internet Explorer.

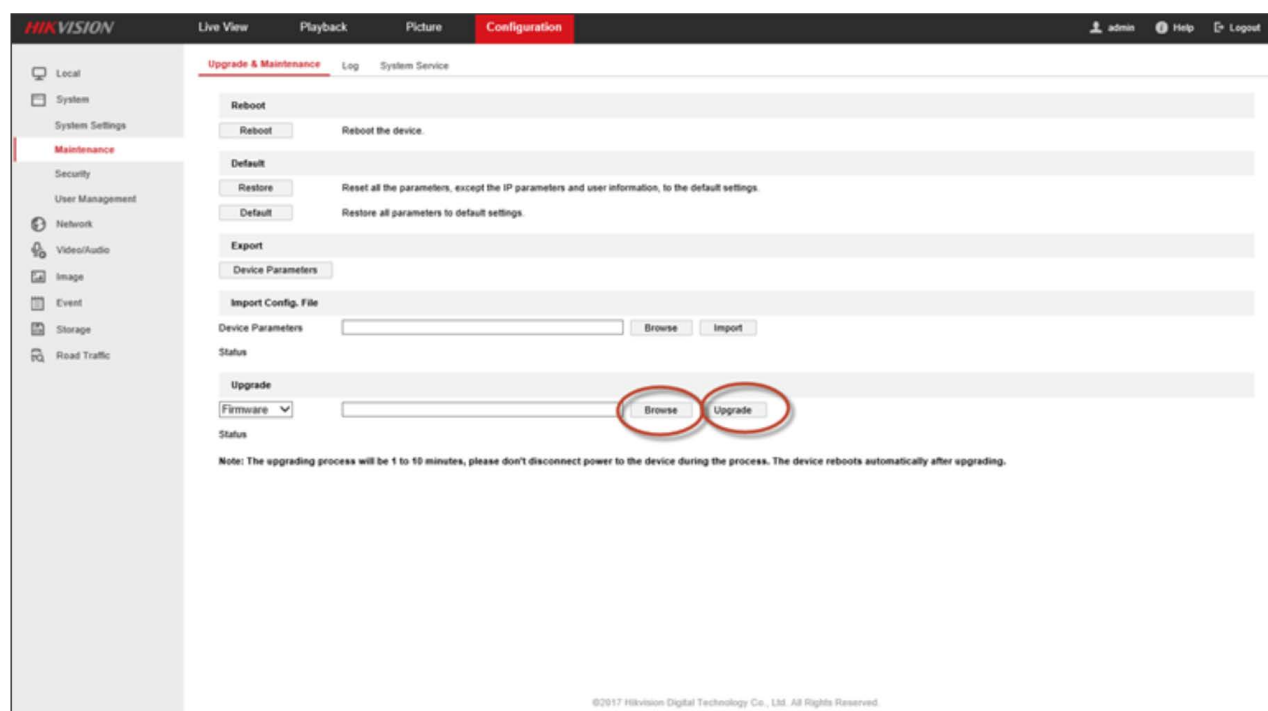
VERY IMPORTANT: HIK vision camera works ONLY with **Internet Explorer**.

192.168.1.64

user: admin

pass: Admin123

Go to **Configuration/ Maintenance** and make the firmware upgrade there.



2. Make Firmware update of the wiegand converter WS4-CNV

Go to the WS4 controller. Go to Technical Supervision.

Locate the firmware update button, press it and select the HIKReader.bin file. Located on the same place, here:

<http://software.xprgroup.com/Firmware/Webserver%20WS4/WS4->

CNV%20Wiegand%20converter/For%20HIK%20vision%20license%20plate%20recognition%20camera%20DS-2CD4A26FWD-IZSWG_P/

Technical supervision

This page allows you to quickly view the status of all the inputs and outputs of the system.

General

- Mains: OK
- Voltage: 13.7V
- Box: OPENED
- DIP switches: sw1 OFF, sw2 OFF, sw3 OFF, sw4 OFF
- RAM usage: 25.6%

Auxiliary Inputs & Outputs

- Input 1 (Emergency (NO)): OFF
- Input 2 (Break glass (NO)): OFF
- Output 1 (Attendance): OFF
- Output 2 (Alarm): OFF

Door 1.0 (Wiegand converter)

- Push button: OFF
- Door contact: >1 MΩ
- Lock relay: OFF
- Reader 1: OA-1715 V1.00 (36373) **Firmware update button**
- Reader 2: ---

Door 1.1 (Not used)

- Push button: OFF
- Door contact: >1 MΩ
- Lock relay: OFF
- Reader 1: ---
- Reader 2: ---

Door 2.0 (test 0)

- Push button: OFF
- Door contact: OFF (door closed)
- Lock relay: OFF
- Reader 1: MTRAD-RS-EH V2.05 (2562560)
- Reader 2: ---

Door 2.1 (test 1)

- Push button: OFF
- Door contact: ON (door closed)
- Lock relay: OFF
- Reader 1: MTRAD-RS-EH V2.05 (2563344)
- Reader 2: ---

Upgrade firmware

Select the file containing the firmware you want to burn in this reader :

Warning: during the programming, the other readers on the same bus will not longer be operational.

Cancel **BURN**

3. Set the Reader type as “Bar Code”

Go to Doors.

Select the Door where the converter is connected.

This list gives you a quick overview of the doors of your installation.

If the **Public** option is checked, any operator will be allowed to open or unlock the access from the home page.

#0 - Master 110001

ID	I/O	Name	APB	ILock	Emg.	Public
1.0		Wiegand converter				<input checked="" type="checkbox"/>
1.1		Not used				
2.0		test 0				<input type="checkbox"/>
2.1		test 1				<input type="checkbox"/>

Add a slave ?

As card type, select “Bar Code”

READER A

Cabling: on LB1, reader at address 0 (jump opened)

Location: Input

Card: Mifare/Desfire

Keypad: No

Card + PIN: 125kHz (EM4100)

Never (U): Mifare/Desfire ISO2

Detection r: Wiegand (raw)

No: Wiegand (decoded)

Bar code

Dallas

4. Put the license plate (full, with letters, without spaces) in USER, as card number.

Now, go a create a new user, where as Card No. you put the license plate. Letters and numbers, no spaces.

The screenshot shows a web interface for configuring a user. It is divided into three main sections: GENERAL, CATEGORIES, and IDENTIFIERS.

- GENERAL**: Contains fields for 'Full name' (with a placeholder 'license plate' and a '[id:14]' label), 'Disabled' checkbox, 'This user can acknowledge alarms' checkbox, and a 'Validity' section with 'Always valid' checkbox and 'From'/'To' date and time pickers.
- CATEGORIES**: Contains three category dropdowns: 'Category 1' (set to 'FULL ACCESS'), 'Category 2' (set to 'NO ACCESS'), and 'Category 3' (set to 'NO ACCESS').
- IDENTIFIERS**: Contains fields for 'Card 1' (set to 'MDT5081', which is circled in red), 'Card 2', and 'PIN code'. Each card field has a 'Code in Wiegand 26 bit' label and a card icon.

IF you have not done this settings in the camera, do them:

1. Enter Address: 129.168.1.64 in Internet explorer
 2. Enter: User: admin Password: Admin123
 3. Install recommended plug in.
 4. Go to Configuration > System Settings > External Device
- Select Wiegand Type: SHA1 26bit
Save configuration

Go to Configuration > Road Traffic > Detection Configuration

1. Check Enable
 2. Number of Lanes to be monitored by the camera: 1
 3. Select Region of the license plate
 4. Select Dimension of the license plate
 5. Select Mode
- Save configuration