

HIK Vision license plate camera in WS4 Web Server system

Application note

ONLine 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-IZSWG_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.

The screenshot shows the HIK VISION web interface. The top navigation bar includes 'Live View', 'Playback', 'Picture', and 'Configuration'. The 'Configuration' menu is expanded to show 'Upgrade & Maintenance', 'Log', and 'System Service'. The 'Upgrade & Maintenance' section contains several sub-sections: 'Reboot', 'Default', 'Export', 'Import Config. File', and 'Upgrade'. The 'Upgrade' section has a 'Firmware' dropdown menu, a text input field, and two buttons: 'Browse' and 'Upgrade'. Both buttons are circled in red. A note at the bottom of the section states: 'Note: The upgrading process will be 1 to 10 minutes, please don't disconnect power to the device during the process. The device reboots automatically after upgrading.'

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

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

The screenshot shows the 'Technical supervision' page. On the left sidebar, 'Technical supervision' is highlighted. The main content area is divided into several sections: 'General', 'Auxiliary Inputs & Outputs', 'Door 1.0 (Wiegand converter)', 'Door 2.0 (test 0)', 'Door 1.1 (Not used)', and 'Door 2.1 (test 1)'. In the 'Door 1.0' section, the 'Reader 1' field contains 'DA-1715 V1.00 (30373)' and has a red 'Firmware update' button next to it. An arrow points to this button. Below the main content, there is a 'Reboot the WS4' button. On the right side, there is a yellow 'Upgrade firmware' button, a text input field for selecting a file, and a 'Warning' message: 'Warning: during the programming, the other readers on the same bus will not longer be operational.' Below the warning are 'Cancel' and 'BURN' buttons.

3. Set the Reader type as "Bar Code"

Go to Doors.

Select the Door where the wiegand converter is connected.

The screenshot shows the 'Doors' configuration page. The left sidebar has 'Doors' selected. The main content area shows a table of door configurations. The table has columns: ID, I/O, Name, APB, ILock, Emg., and Public. The rows are:

ID	I/O	Name	APB	ILock	Emg.	Public
1.0		Wiegand converter				<input type="checkbox"/>
1.1		Not used				<input type="checkbox"/>
2.0		test_0				<input type="checkbox"/>
2.1		test_1				<input type="checkbox"/>

Below the table is an 'Add a slave' button with a question mark icon.

As card type, select "Bar Code"

The screenshot shows the 'READER A' configuration page. The 'Cabling' section is set to 'on LB1, reader at address 0 (jump opened)'. The 'Location' dropdown is set to 'Input'. The 'Card' dropdown is set to 'Mifare/Desfire'. The 'Keypad' dropdown is set to 'No'. The 'Card + PIN' dropdown is set to '125kHz (HID compatible)'. The 'Never (L)' dropdown is set to 'Mifare/Desfire'. The 'Detection r' dropdown is set to 'Wiegand (raw)'. The 'No' dropdown is set to 'Wiegand (decoded)'. The 'Bar code' option is selected in the dropdown menu.

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 user configuration interface with three main sections:

- GENERAL**:
 - Full name : [license plate] [id:14]
 - Disabled
 - This user can acknowledge alarms
 - Validity:
 - Always valid
 - From : [calendar icon] 00:00
 - To : [calendar icon] 00:00
- CATEGORIES**:
 - Category 1 : FULL ACCESS
 - Category 2 : NO ACCESS
 - Category 3 : NO ACCESS
- IDENTIFIERS**:
 - Card 1 : MDT5081 (circled in red) [card icon]
 - Code in Wiegand 26 bit
 - Card 2 : [card icon]
 - Code in Wiegand 26 bit
 - PIN code : [input field]

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

All product specifications are subject to change without notice.