

# HIK Vision Camera IDS-2CD7A26GOP-IZHSY\_WS4 Web Server using WS4-CNV V\_2

## APPLICATION NOTE

C031  
This application note explain how to configure HIK Vision Camera IDS-2CD7A26GOP-IZHSY\_WS4 Web Server using WS4-CNV V\_2

### HIK Vision license plate camera connected with WS4-CNV V2 Convertor with dip switch in WS4 Web Server system

#### Necessary steps:

1. **Important** ⚠ **Make firmware update of WS4 Web Server system (3.13).**
2. Make firmware update of HIK Vision Camera (model: **IDS-2CD7A26GO/P-IZHSY**).
3. Make Firmware update of the Wiegand converter WS4-CNV V2 with dip switch.
4. Set the Reader type as **“Car plate (W26/SHA1)”**
5. Put the license plate (full, with letters, without spaces) in USER, at section **“Car plate”**.

#### 1. Make firmware update of HIK Vision Camera

- Download the firmware here:

<https://www.hikvision.com/uk/products/IP-Products/Network-Cameras/DeepinView-Series/ids-2cd7a26g0-p-izhsy-uk/#download-agreement>

It is a dav file 21MB.

Now, enter the camera via Browser, Internet Explorer.

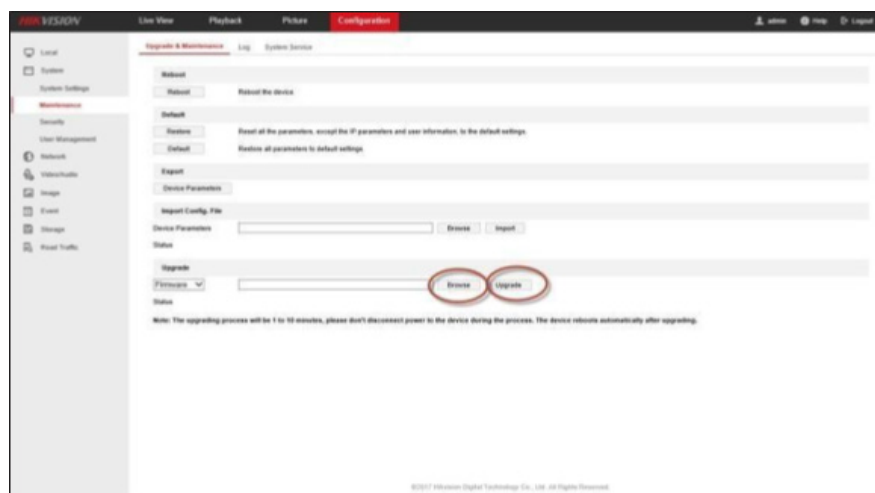
VERY IMPORTANT: HIK vision camera works ONLY with **Internet Explorer**.

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 V2

Latest Firmware for Wiegand Converter is located here: [https://www.xprgroup.com/download.php?token=67ee54815e62e&path=Firmware/Webserver%20WS4/WS4-CNV%20Wiegand%20converter/WS4-CNV%20V2/28.06.2024%20No%20blinking/DA-1715-2\\_NoBlink.binv](https://www.xprgroup.com/download.php?token=67ee54815e62e&path=Firmware/Webserver%20WS4/WS4-CNV%20Wiegand%20converter/WS4-CNV%20V2/28.06.2024%20No%20blinking/DA-1715-2_NoBlink.binv)

After Firmware is downloaded for Wiegand Converter make Upgrade firmware and follow the instruction given.


Door 2.0 (ANPR CAMERA)	
Push button	OFF
Door contact	>1 MΩ
Lock relay	OFF
Reader 1	DA-1715-2 V1.08 (162004) 
Reader 2	---

**Upgrade firmware**

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### 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 door where WS4-CNV V2 converter is connected.

Go to Doors.

Select the Door where the converter is connected.

#0 - Master 200050 							
ID	I/O	Name	Group	APB	ILock	Emg.	Public
1.0	O	XPM-MFBT-RS Exit 1	1				<input type="checkbox"/>
1.1	I	XS-MF-RS Entry 1	1				<input type="checkbox"/>
2.0	I	ANPR CAMERA	1				<input type="checkbox"/>
2.1	O	XP-K-MFBT-RS Exit	1				<input type="checkbox"/>

As card type, select **"Card plate (W26/SHA1)"**.

**READER A** ?  
Cabling: on **LB2**, reader at address **0** (jumper **opened**)

Location : **Input** ▾

Card : **Car plate (W26/SHA1)** ▾

Keypad :  Fingerprint :

Card + PIN mandatory periods :  
Never (user can choose) ▾

Detection required :  
**No** ▾

Timed Anti-passback

**4. Put the license plate (full, with letters, without spaces) in USER, at section "Car plate".**

Now, go a create a new user.

At section **"Car plate"** type the license plate with letters and numbers, no spaces.

**License Plate User** ? 🗑️ 📄

**GENERAL** ?  
Full name : [id:777]  
**License Plate User**  
First name :  
Department :  
Position held :  
E-mail :  
Phone :  
Car plate : **KK2892JJ**  
 Disabled  
 This user can acknowledge alarms

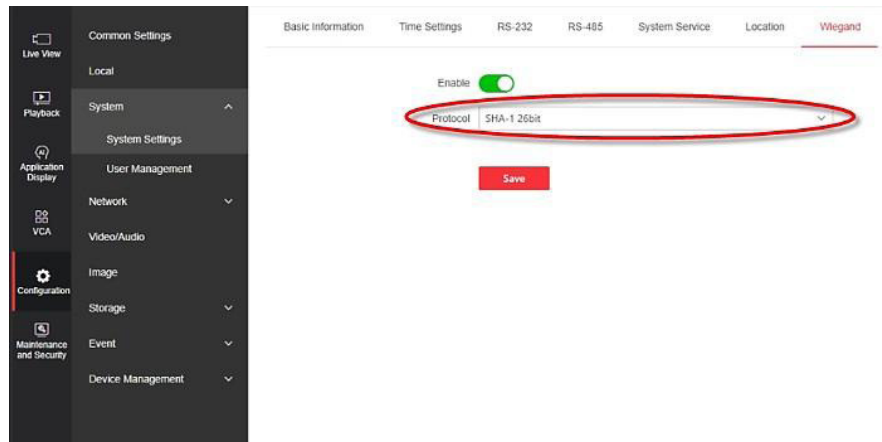
**CATEGORIES** ?  
Category 1 : **Unlimited Access** ▾  
Category 2 : **NO ACCESS** ▾  
Category 3 : **NO ACCESS** ▾

**IDENTIFIERS** ?  
Card 1 :   
Code in Wiegand 26 bit:  
Card 2 :   
Code in Wiegand 26 bit:  
PIN code :  
Fingerprints  
Fingers enrolled: **0** Details ▾  
How can the user delete his own fingerprints?

Validity  
 Always valid  
From :  00:00 ▾  
To :  00:00 ▾

## **IF you have not done these 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 Go to “**Configuration/System settings/Wiegand**” and select protocol “**SHA-1 26 bit**”.
5. 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.