

# **Quick guide for XSC network cameras connection**



# Compatibility



safire



X-SECURITY

**HIKVISION**  
HiWatch Series

  
**UNIV**



# SAFIRE



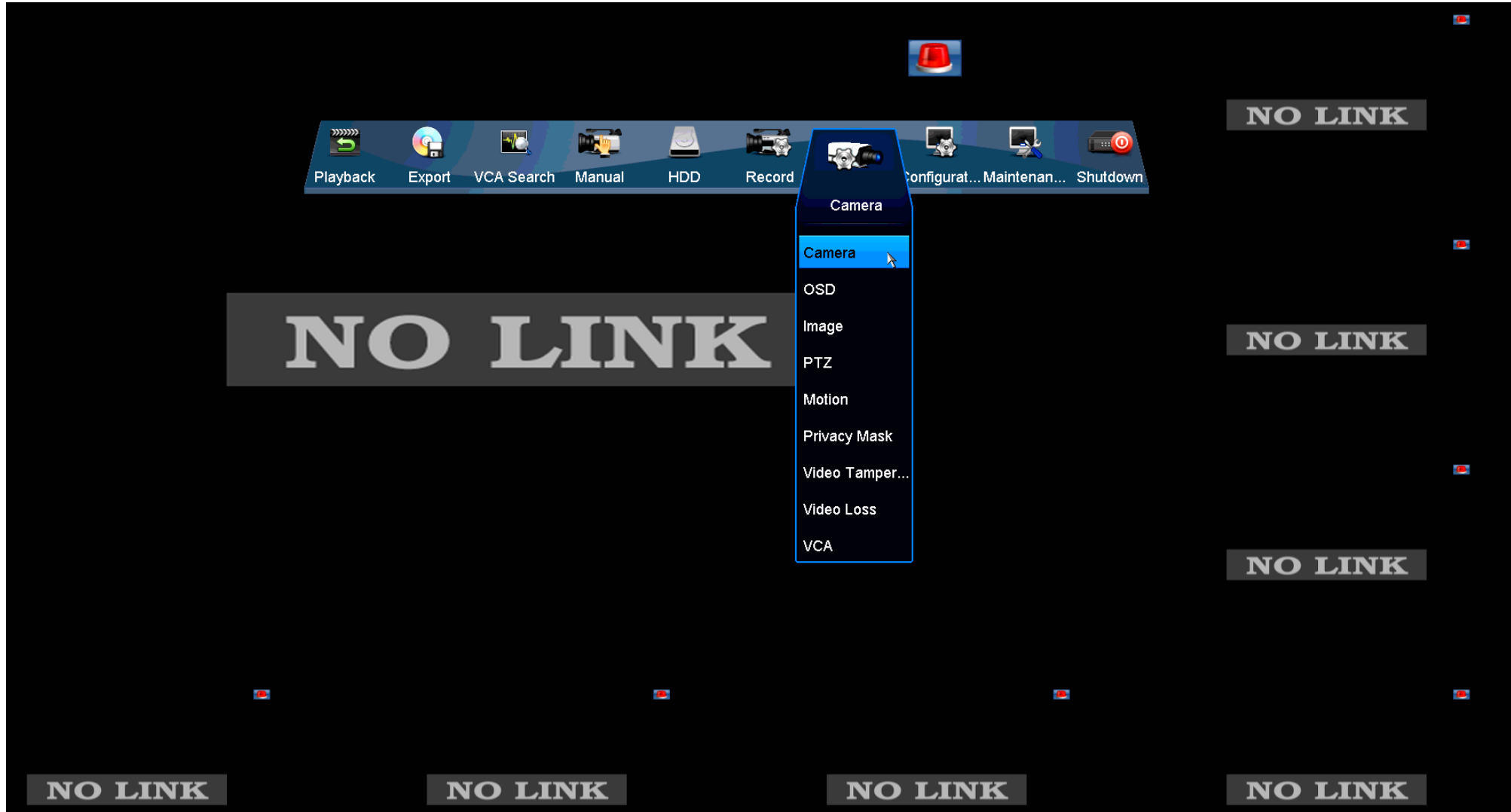
safire



# Connection with Safire NVR



1- Power the recorder and click on "Camera" to go to the configuration menu.



# Connection with Safire NVR



2- Once inside the IP cameras configuration menu, we connect the camera to the net and click on the "Refresh" button to update the list of devices that the recorder is able to detect in the network.



Camera Management

IP Camera IP Camera Import/Export PoE Configuration

Show Password of IP Camera

Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol
<input checked="" type="checkbox"/> D1	-	▲	N/A	172.18.254.3		-	IPCamera 01	SAFIRE
<input type="checkbox"/> D2	-	▲	N/A	172.18.254.2		-	IPCamera 02	SAFIRE
<input type="checkbox"/> D3	-	▲	N/A	172.18.254.4		-	IPCamera 03	SAFIRE
<input type="checkbox"/> D4	-	▲	N/A	172.18.254.5		-	IPCamera 04	SAFIRE
<input type="checkbox"/> D5	-	▲	N/A	172.18.254.6		-	IPCamera 05	SAFIRE
<input type="checkbox"/> D6	-	▲	N/A	172.18.254.7		-	IPCamera 06	SAFIRE
<input type="checkbox"/> D7	-	▲	N/A	172.18.254.8		-	IPCamera 07	SAFIRE
<input type="checkbox"/> D8	-	▲	N/A	172.18.254.9		-	IPCamera 08	SAFIRE

Refresh  One-touch Activate  Upgrade  Delete  One-touch Adding  Custom Adding

Enable H.265 (For Initial Access)

# Connection with Safire NVR



3- Check that once the camera is connected, it appears in the list of available cameras to add.

IP Camera IP Camera Import/Export PoE Configuration

Show Password of IP Camera

Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol
<input type="checkbox"/> D1	—	▲	N/A	172.18.254.3		—	IPCamera 01	SAFIRE
<input type="checkbox"/> D2	—	▲	N/A	172.18.254.2		—	IPCamera 02	SAFIRE
<input type="checkbox"/> D3	—	▲	N/A	172.18.254.4		—	IPCamera 03	SAFIRE
<input type="checkbox"/> D4	—	▲	N/A	172.18.254.5		—	IPCamera 04	SAFIRE
<input type="checkbox"/> D5	—	▲	N/A	172.18.254.6		—	IPCamera 05	SAFIRE
<input type="checkbox"/> D6	—	▲	N/A	172.18.254.7		—	IPCamera 06	SAFIRE
<input type="checkbox"/> D7	—	▲	N/A	172.18.254.8		—	IPCamera 07	SAFIRE
<input type="checkbox"/> D8	—	▲	N/A	172.18.254.9		—	IPCamera 08	SAFIRE
...		✔ Active		192.168.1.217		—		SAFIRE

Enable H.265 (For Initial Access)

Refresh One-touch Activate Upgrade Delete One-touch Adding Custom Adding

Net Receive Idle Bandwidth: 80Mbps Back

# Connection with Safire NVR

4- Once the camera appears, it will show an IP address by default. If we click again on "Refresh", the NVR will update the IP address of the camera, allocating one in the same range as the recorder.



IP Camera IP Camera Import/Export PoE Configuration

Show Password of IP Camera

Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol
<input type="checkbox"/> D1	—	▲	N/A	172.18.254.3		—	IPCamera 01	SAFIRE
<input type="checkbox"/> D2	—	▲	N/A	172.18.254.2		—	IPCamera 02	SAFIRE
<input type="checkbox"/> D3	—	▲	N/A	172.18.254.4		—	IPCamera 03	SAFIRE
<input type="checkbox"/> D4	—	▲	N/A	172.18.254.5		—	IPCamera 04	SAFIRE
<input type="checkbox"/> D5	—	▲	N/A	172.18.254.6		—	IPCamera 05	SAFIRE
<input type="checkbox"/> D6	—	▲	N/A	172.18.254.7		—	IPCamera 06	SAFIRE
<input type="checkbox"/> D7	—	▲	N/A	172.18.254.8		—	IPCamera 07	SAFIRE
<input type="checkbox"/> D8	—	▲	N/A	172.18.254.9		—	IPCamera 08	SAFIRE
...		—	Active	172.18.227.92		—		SAFIRE

Enable H.265 (For Initial Access)



Refresh One-touch Activate Upgrade Delete One-touch Adding Custom Adding

Net Receive Idle Bandwidth: 80Mbps Back

# Connection with Safire NVR



5- Next, we will click on the settings of one of the NVR channels.

<input type="checkbox"/> Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol
<input type="checkbox"/> D1	—	⚠	N/A	172.18.254.3		—	IPCamera 01	SAFIRE
<input type="checkbox"/> D2	—	⚠	N/A	172.18.254.2		—	IPCamera 02	SAFIRE

You must select the manual mode to add the camera because the camera is connected to our local network and not directly to the POE port of the recorder.

Edit IP Camera	
IP Camera No.	D1
Adding Method	Plug-and-Play
IP Camera Address	Manual
Protocol	Plug-and-Play
Management Port	



# Connection with Safire NVR



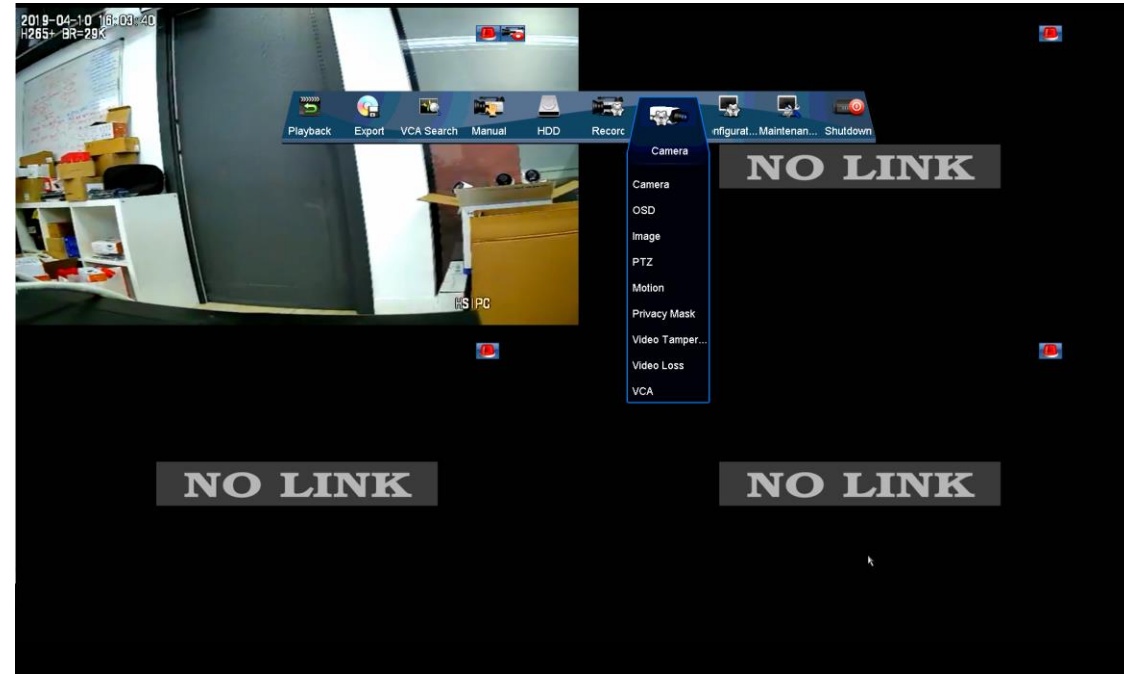
IP Camera No.	D1
Adding Method	Manual
IP Camera Address	172.18.227.92
Protocol	SAFIRE
Management Port	8000
Channel Port	1
Transfer Protocol	Auto
User Name	admin
Password	*****

Inside this configuration we can see the IP address that the recorder has assigned to the camera (as shown in step 4). We will introduce the default credentials of the camera (if they've not been changed previously through WebServer) and we will click on OK .

**Note 1:** It is advisable to change the password for greater security.

**Note 2:** The credentials insertion is a mandatory step, therefore they should be known by users. This is thought in order to provide total safety to customers.

**6 - Finally, we can check that the status of the camera. If the process has been executed correctly, the stream is regularly shown on screen.**



Camera No.	Add/Delete	Status	Security	IP Camera Address	Edit	Upgrade	Camera Name	Protocol
D1	—		Risk Password	172.18.227.92			HSIPC	SAFIRE
D2	—		N/A	172.18.254.2		—	IPCamera 02	SAFIRE

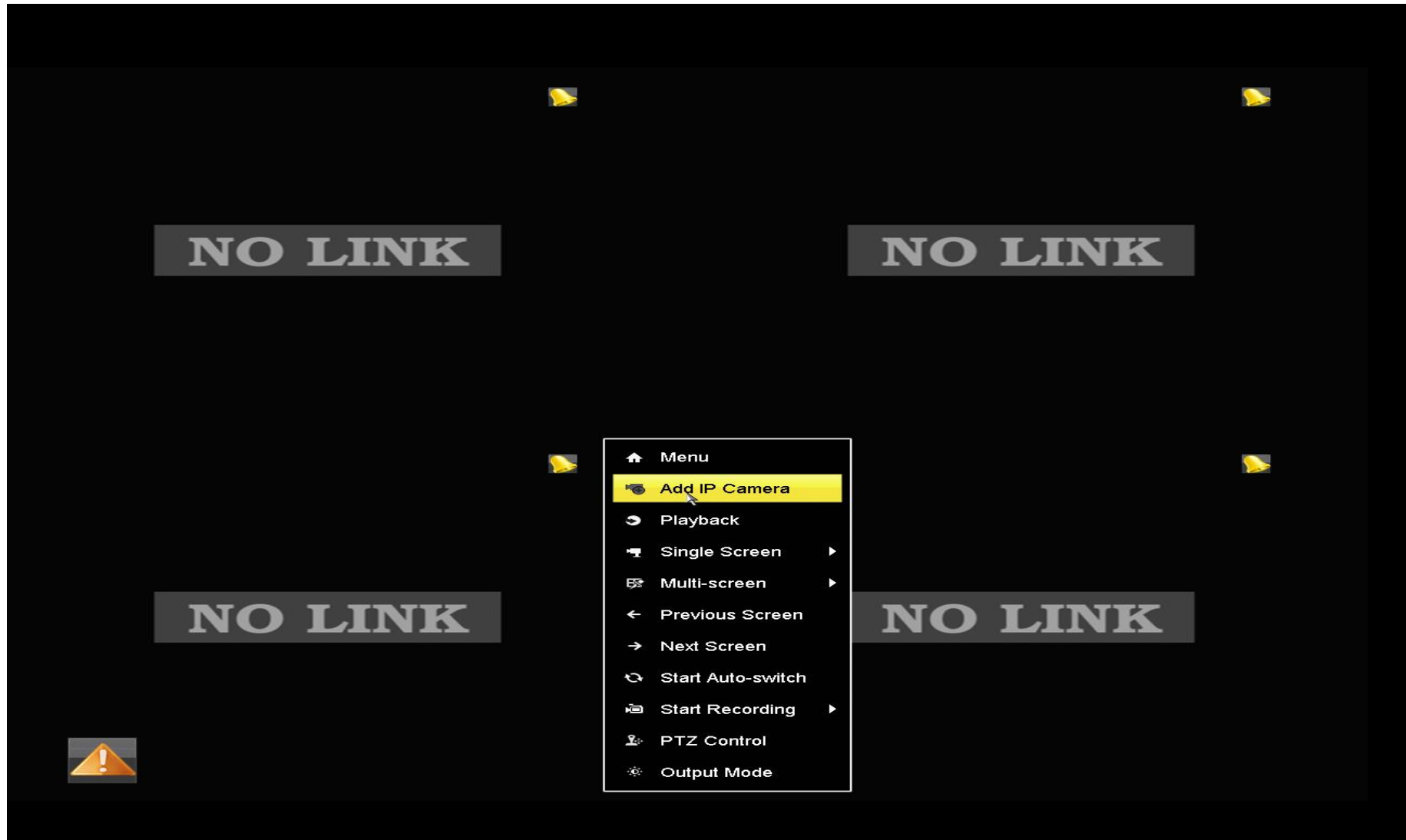
# HIWATCH

**HIKVISION**  
HiWatch Series



# Connection with Hiwatch NVR

1- Power the recorder and click on "Camera" to go to its configuration.



# Connection with Hiwatch NVR

2- Once inside the IP cameras configuration menu, we connect the camera to the net and click on the "Refresh" button to update the list of devices that the recorder is able to detect in the network.



IP Camera Management

<input type="checkbox"/> Camer...	Add/Delete	Status	Security	IP Camera Addr...	Edit	Upgr...	Camera Name	Protocol
<input type="checkbox"/> D1	—	▲	N/A	172.18.227.2	✉	—	IPCamera 01	HIKVISION
<input type="checkbox"/> D2	—	▲	N/A	172.18.227.3	✉	—	IPCamera 02	HIKVISION
<input type="checkbox"/> D3	—	▲	N/A	172.18.227.4	✉	—	IPCamera 03	HIKVISION
<input type="checkbox"/> D4	—	▲	N/A	172.18.227.5	✉	—	IPCamera 04	HIKVISION

< | | | >

Refresh One-touch Activ... Upgrade Delete One-touch Adding Custom Adding

Net Receive Idle Bandwidth: 40Mbps

Exit

# Connection with Hiwatch NVR

3- Check that once the camera is connected, it appears in the list of available cameras to add.

IP Camera Management

Cameras	Add/Delete	Status	Security	IP Camera Addr...	Edit	Upgr...	Camera Name	Protocol
<input type="checkbox"/> D1	—	▲	N/A	172.18.227.2	✉	—	IPCamera 01	HIKVISION
<input type="checkbox"/> D2	—	▲	N/A	172.18.227.3	✉	—	IPCamera 02	HIKVISION
<input type="checkbox"/> D3	—	▲	N/A	172.18.227.4	✉	—	IPCamera 03	HIKVISION
<input type="checkbox"/> D4	—	▲	N/A	172.18.227.5	✉	—	IPCamera 04	HIKVISION
...	+	—	✔ Active	192.168.1.217	✉	—	—	HIKVISION

< | | | >

**Refresh** One-touch Activ... Upgrade Delete One-touch Adding Custom Adding

Net Receive Idle Bandwidth: 40Mbps

Exit

# Connection with Hiwatch NVR

4- Once the camera appears in such menu, it will have an IP address by default. If we click again on "Refresh", the NVR will update the IP address of the camera, putting it in the same range as the recorder.

IP Camera Management

Cameras	Add/Delete	Status	Security	IP Camera Addr...	Edit	Upgr...	Camera Name	Protocol
<input type="checkbox"/> D1	—	▲	N/A	172.18.227.2	✉	—	IPCamera 01	HIKVISION
<input type="checkbox"/> D2	—	▲	N/A	172.18.227.3	✉	—	IPCamera 02	HIKVISION
<input type="checkbox"/> D3	—	▲	N/A	172.18.227.4	✉	—	IPCamera 03	HIKVISION
<input type="checkbox"/> D4	—	▲	N/A	172.18.227.5	✉	—	IPCamera 04	HIKVISION
...	+	—	✓ Active	172.18.227.92	✉	—	—	HIKVISION

< | | | >

**Refresh** One-touch Activ... Upgrade Delete One-touch Adding Custom Adding

Net Receive Idle Bandwidth: 40Mbps

Exit

# Connection with Hiwatch NVR

5- Next, we will click on the settings of one of the NVR channels.

IP Camera Management								
<input type="checkbox"/> Camer...	Add/Delete	Status	Security	IP Camera Addr...	Edit	Upgr...	Camera Name	Protocol
<input type="checkbox"/> D1	—	⚠	N/A	172.18.227.2		—	IPCamera 01	HIKVISION
<input type="checkbox"/> D2	—	⚠	N/A	172.18.227.3		—	IPCamera 02	HIKVISION

You must select the manual mode to add the camera because the camera is connected to our local network and not directly to the POE port of the recorder.

Adding Method	Plug-and-Play
IP Camera Address	Manual
Protocol	Plug-and-Play
Management Port	

# Connection with Hiwatch NVR

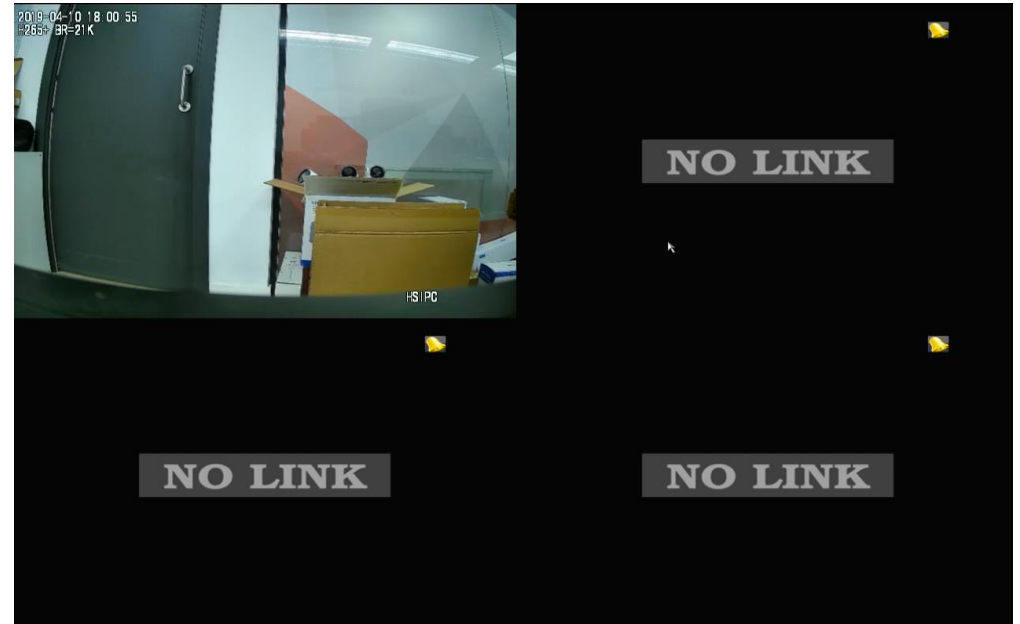
IP Camera No.	D1
Adding Method	Manual
IP Camera Address	172.18.227.92
Protocol	HIKVISION
Management Port	8000
Channel Port	1
Transfer Protocol	Auto
User Name	admin
Password	*****

Inside this configuration we can see the IP address that the recorder has assigned to the camera (as shown in step 4). We will introduce the default credentials of the camera (if they've not been changed previously through WebServer) and we will click on OK .

**Note 1:** It is advisable to change the password for greater security.

**Note 2:** The credentials insertion is a mandatory step, therefore they should be known by users. This is thought in order to provide total safety to customers.

**6 - Finally,** we can check that the status of the camera. If the process has been executed correctly, the stream is regularly shown on screen.



Cameras	Add/Delete	Status	Security	IP Camera Addr...	Edit	Upgr...	Camera Name	Protocol
<input type="checkbox"/> D1	-	<input checked="" type="radio"/>	Risk Passw...	172.18.227.92			HSIPC	HIKVISION



# X-SECURITY



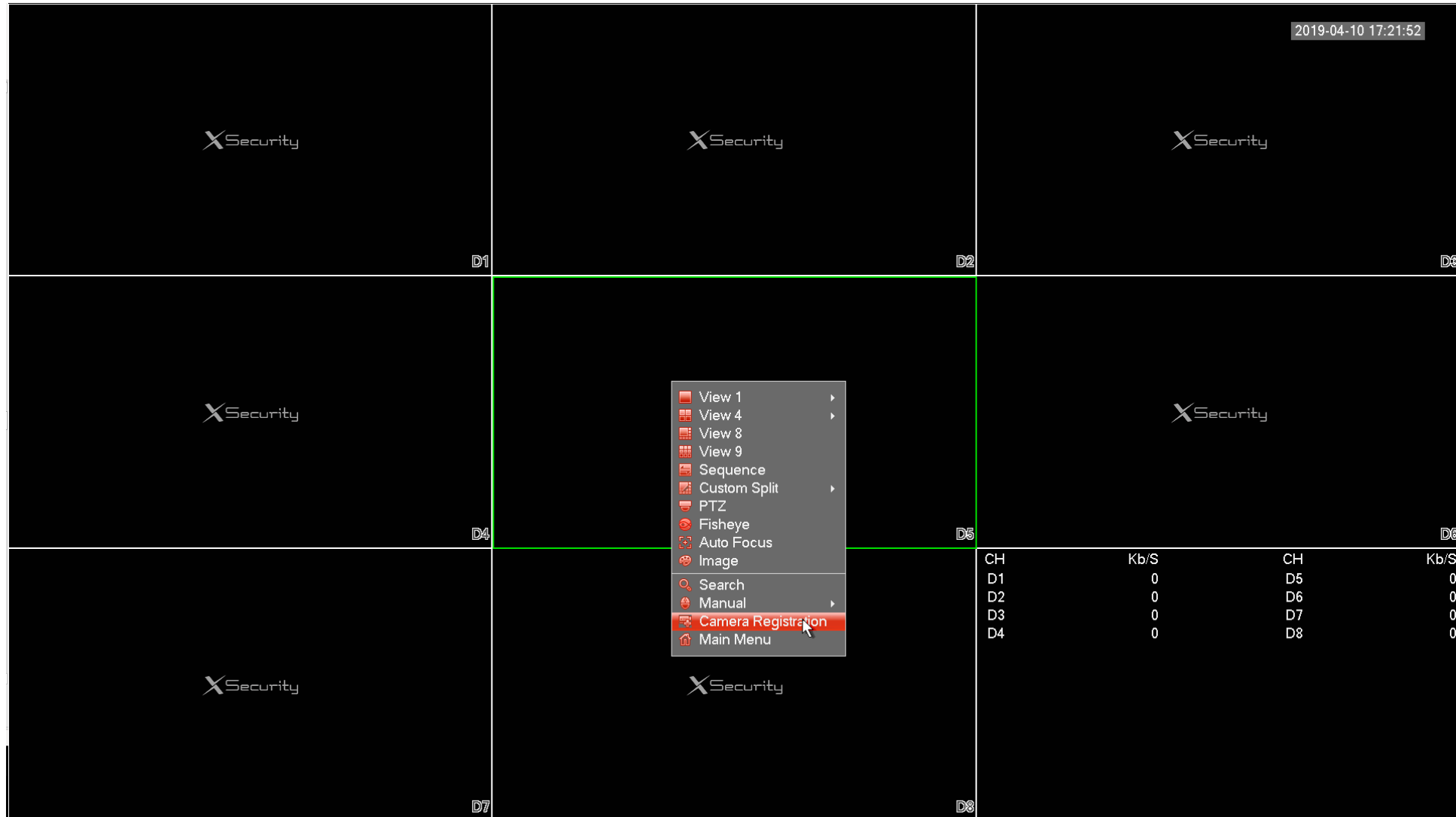
X-SECURITY



# Connection with X-Security NVR



1- Power the recorder and click on "Camera Registration" to go to the configuration.



The screenshot displays the X-Security NVR interface with a 3x3 grid of camera channels (D1-D9). A context menu is open over the D5 channel, listing various camera settings. The 'Camera Registration' option is highlighted in red. A data table is visible in the bottom right corner of the interface.

CH	Kb/S	CH	Kb/S
D1	0	D5	0
D2	0	D6	0
D3	0	D7	0
D4	0	D8	0

# Connection with X-Security NVR



2- Inside the configuration of adding IP cameras we connect the camera and click on the "Device Search" button update the devices detected within our network.



A screenshot of the X-Security NVR web interface. The interface is dark-themed with a red header bar. The main content area is titled "REGISTRATION" and contains a "Camera Registr..." section. This section includes a "Device Search" button, a dropdown menu for "IP Address", a search input field, and "Search", "Uninitialized", and "Initialize" buttons. Below this is a table with columns for "0", "Modify", "Preview", "Status", "IP Address", "Port", and "Type". At the bottom of the search section are "Add", "Manual Add", and "Modify IP" buttons, along with a "Filter" dropdown set to "Null". Below the search section is an "Added Device" section with a table that has columns for "Channel", "Modify", "Del", "Status", "IP Address", "Port", and "Device Name". A mouse cursor is hovering over the "Del" column. At the bottom of the "Added Device" section are "Delete", "Import", and "Export" buttons.

# Connection with X-Security NVR



3- Check that once the camera is connected, it appears in the list of available cameras to add.

The screenshot shows the 'Camera Registration' window in X-Security. At the top, there is a 'Device Search' section with a dropdown menu set to 'IP Address', a search input field, and buttons for 'Search', 'Uninitialized', and 'Initialize'. Below this is a table of registered devices. The first row is highlighted with a red border and contains the following data:

		M...	Preview	Status	IP Address	Port	Type
1	<input type="checkbox"/>				192.168.1.217	37777	IPC-HFW2225B

Below the table are buttons for 'Add', 'Manual Add', and 'Modify IP'. A 'Filter' dropdown is set to 'Null'. At the bottom, there is an 'Added Device' section with a table:

Channel	Modify	Del	Status	IP Address	Port	Device Name

Buttons for 'Delete', 'Import', and 'Export' are located at the bottom of the interface.

# Connection with X-Security NVR



4- Once it appears, the camera will have a default IP address. If we click again on "Device Search", the NVR will update the IP address of the camera, placing it within the same range as the recorder.

The screenshot shows the X-Security Camera Registration interface. At the top, there is a navigation bar with icons for various functions. Below this, the "Camera Registration" section is active, showing a "Device Search" button and a search form. The search form includes a dropdown for "IP Address", a search button, and checkboxes for "Uninitialized" and "Initialize".

1	M	Preview	Status	IP Address	Port	Type
1				172.18.227.92	37777	IPC-HFW2225B

Below the table, there are buttons for "Add", "Manual Add", and "Modify IP". A "Filter" dropdown is set to "Null".

The "Added Device" section is also visible, with a table containing columns for "Channel", "Modify", "Del", "Status", "IP Address", "Port", and "Device Name". Below this table are buttons for "Delete", "Import", and "Export".

# Connection with X-Security NVR



5- If the password established by default to add cameras coincides with the password of the camera itself, we double click on the result of the device search and automatically go to live view.

The screenshot displays the X-Security NVR interface. At the top, there is a "Device Search" section with a dropdown menu set to "IP Address", an empty search input field, and a "Search" button. To the right of the search field are two checkboxes: "Uninitialized" (unchecked) and "Initialize". Below this is a table with the following columns: "1", "M...", "Preview", "Status", "IP Address", "Port", and "Type". The first row of the table is highlighted in red and contains the following data: "1", a small square icon, a camera icon, a play button icon, a green checkmark icon, "172.18.227.92", "37777", and "IPC-HFW2225B". A red arrow points from the green checkmark icon in the "Status" column to a text box below the screenshot. At the bottom of the interface, there are three buttons: "Add", "Manual Add", and "Modify IP".




1	M...	Preview	Status	IP Address	Port	Type	
1					172.18.227.92	37777	IPC-HFW2225B

This icon will show us the status of the camera. It lets us easily detect any possible problem.

# Connection with X-Security NVR



6- In the event that the password of the camera does not match the one established by default in the recorder, it needs to be updated through the settings of the channel itself by clicking on "Modify".

Channel	Modify	Del	Status	IP Address	Port	Device Name
D1				172.18.227.92	37777	2L0414DPAA6

Note 1: It is advisable to change the password of the camera for a higher safety level.

7 - In case of need to carry out the previous step, we can see in "Status" the state in which the camera is at a specific moment



**UNIVIEW**

**univ**





# Connection with Uniview NVR



1- Power the recorder, enter the main menu and then click on "Camera".

The screenshot displays the Uniview NVR web interface. On the left is a vertical navigation menu with icons and labels for Backup, VCA Search, Manual, System, Storage, Alarm, Camera (highlighted with a red box), Maintain, and Shutdown. The main content area is titled "Camera" and has a sub-tab "Advanced". It contains two checkboxes for "Auto Switch to H.265" and "Auto Switch to U-Code" (set to "Advanced Mode"). Below these is a table listing camera configurations:

Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name
<input type="checkbox"/> D1	—	▶	10.1.1.2	1	⚙️	HSIPC
<input type="checkbox"/> D2	—	▶	10.1.1.3	1	⚙️	IP Camera 02
<input type="checkbox"/> D3	—	▶	10.1.1.4	1	⚙️	IP Camera 03
<input type="checkbox"/> D4	—	▶	10.1.1.5	1	⚙️	IP Camera 04

At the bottom of the interface, there is a status bar showing "Idle Receive Bandwidth: 40Mbps" and a row of buttons: Refresh, Search Segm..., Custom Add, and Exit.

# Connection with Uniview NVR



2- Once inside the configuration of adding IP cameras we connect the camera and click on the "Refresh" button to update the list of IP cameras in our network.



Camera

Auto Switch to H.265 (Effective w...

Auto Switch to U-Code (Effective ... Advanced Mode

<input type="checkbox"/> Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name
<input type="checkbox"/> D1	—	●	10.1.1.2	1	⚙	HSIPC
<input type="checkbox"/> D2	—	●	10.1.1.3	1	⚙	IP Camera 02
<input type="checkbox"/> D3	—	●	10.1.1.4	1	⚙	IP Camera 03
<input type="checkbox"/> D4	—	●	10.1.1.5	1	⚙	IP Camera 04

Idle Receive Bandwidth: 40Mbps

Refresh Search Segme.. Custom Add Exit

# Connection with Uniview NVR



3- Check that, once the camera is connected to the net, it appears in the list of available cameras to add.

Camera Advanced

Auto Switch to H.265 (Effective ...

Auto Switch to U-Code (Effectiv... Advanced Mode

Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name
<input type="checkbox"/> D1	—	▶	172.18.5.233	1	⚙	IP Camera 01
<input type="checkbox"/> D2	—	▶	10.1.1.3	1	⚙	IP Camera 02
<input type="checkbox"/> D3	—	▶	10.1.1.4	1	⚙	IP Camera 03
<input type="checkbox"/> D4	—	▶	10.1.1.5	1	⚙	IP Camera 04
	+	—	192.168.254.92			

Idle Receive Bandwidth: 40Mbps

Refresh Search Segm... Custom Add Exit

# Connection with Uniview NVR



4- Once the camera appears, it will show an IP address by default, if we click again on "Refresh", the NVR will update the IP address of the camera, putting one in the same range as the recorder.



The screenshot shows the 'Camera' configuration page in the Uniview NVR interface. At the top, there are two settings: 'Auto Switch to H.265 (Effective w...)' which is checked, and 'Auto Switch to U-Code (Effective ...)' set to 'Advanced Mode'. Below these is a table with columns: Camera ID, Add/Del, Status, Address, Remote Camera ID, Configure, and Name. The table contains five rows: D1 (10.1.1.2), D2 (10.1.1.3), D3 (10.1.1.4), D4 (10.1.1.5), and a new entry with a green plus sign in the Add/Del column and the IP address 192.168.1.217. A red box highlights this new entry. At the bottom of the interface, there is a status bar showing 'Idle Receive Bandwidth: 40Mbps' and a row of buttons: 'Refresh', 'Search Segme..', 'Custom Add', and 'Exit'. A mouse cursor is pointing at the 'Refresh' button.

Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name
D1	—	●	10.1.1.2	1	⚙	HSIPC
D2	—	●	10.1.1.3	1	⚙	IP Camera 02
D3	—	●	10.1.1.4	1	⚙	IP Camera 03
D4	—	●	10.1.1.5	1	⚙	IP Camera 04
	+	—	192.168.1.217		—	

# Connection with Uniview NVR



**5- Next, we will press on the settings of one of the channels of the NVR.**

<input type="checkbox"/> Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name
<input type="checkbox"/> D1	—	<input type="radio"/>	10.1.1.2	1		HSIPC
<input type="checkbox"/> D2	—	<input type="radio"/>	10.1.1.3	1		IP Camera 02

Add Mode	IP Address
Protocol	Uniview
IP Address	172 . 18 . 227 . 92
Port	80
Username	admin
Password	*****
Total Camera Number	1
Extended Transmission	<input type="checkbox"/>

Protocol Search **OK** Cancel

**Inside this configuration we can see the IP address that the recorder has assigned to the camera (as shown in step 4). We will introduce the default credentials of the camera (if they've not been changed previously through WebServer) and we will click on OK .**

**Note 1: It is advisable to change the password for greater security.**

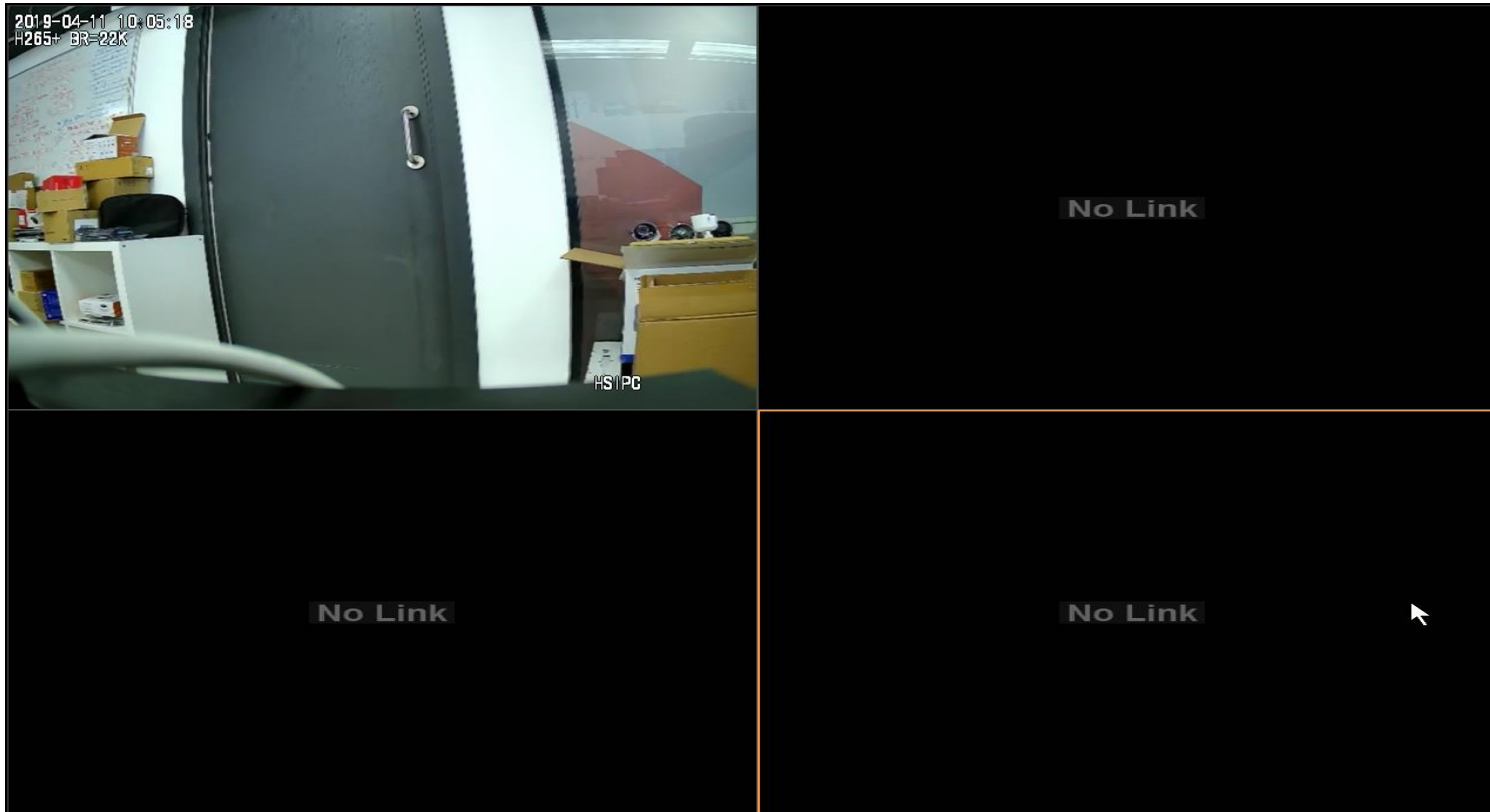
**Note 2: The credentials insertion is a mandatory step, therefore they should be known by users. This is thought in order to provide total safety to customers.**

# Connection with Uniview NVR



6 - Finally, we can check the status of the camera and if we have executed the process correctly.

<input type="checkbox"/> Camera ID	Add/Del	Status	Address	Remote Camera ID	Configure	Name	A
<input type="checkbox"/> D1	—		172.18.227.92	1		HSIPC	



Thanks!

