



**HIKVISION**

# CCTV System Building & Device Set-up



First Choice for Security Professionals

# Training Objectives

**HIKVISION**

- Be able to define application scenarios of CCTV system
- Get Familiar with the CCTV system building and setup
- Get Familiar with Mobile App

# Contents

**HIKVISION**

1 System Building

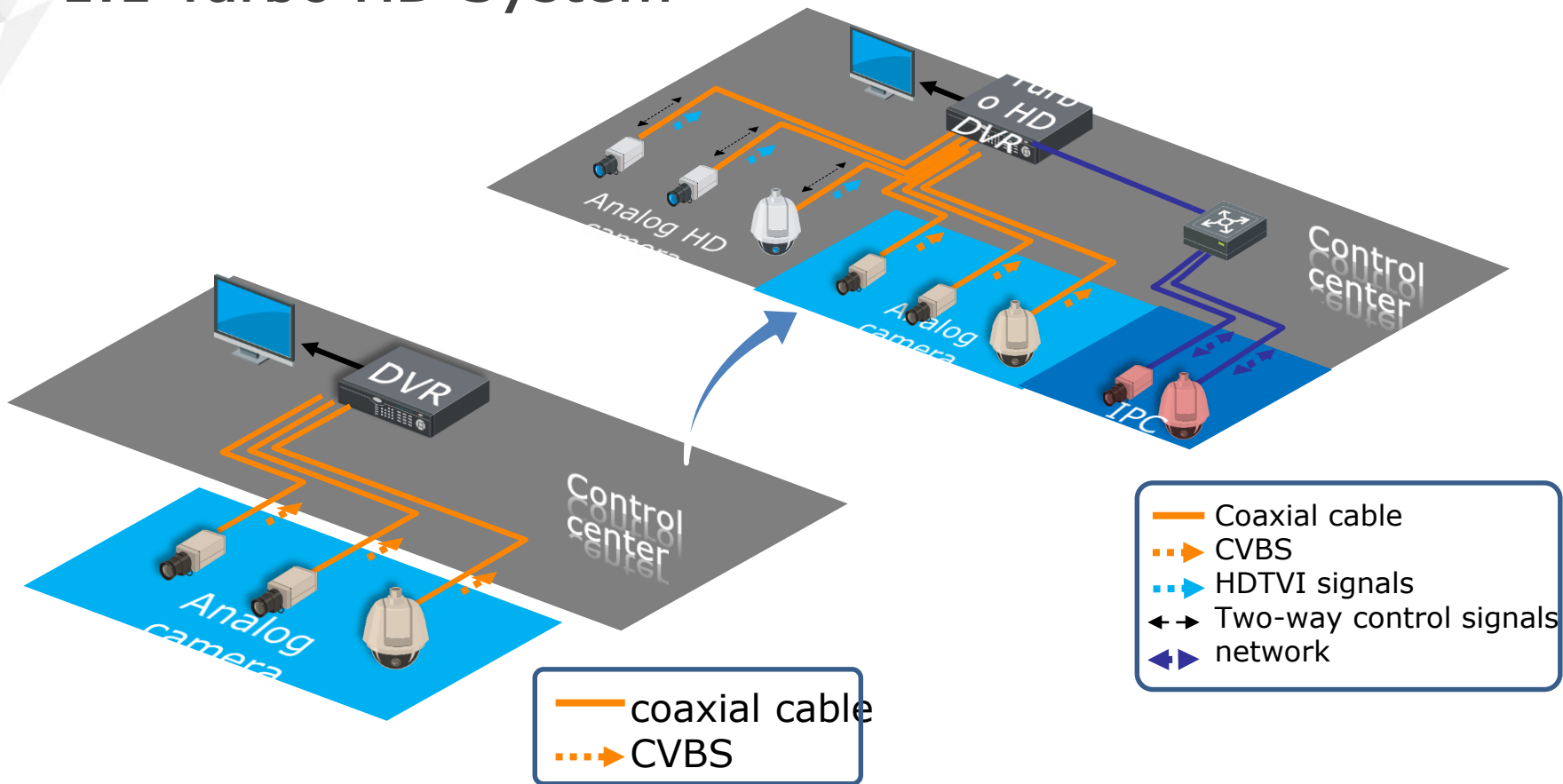
2 Device Set-up

3 Mobile App

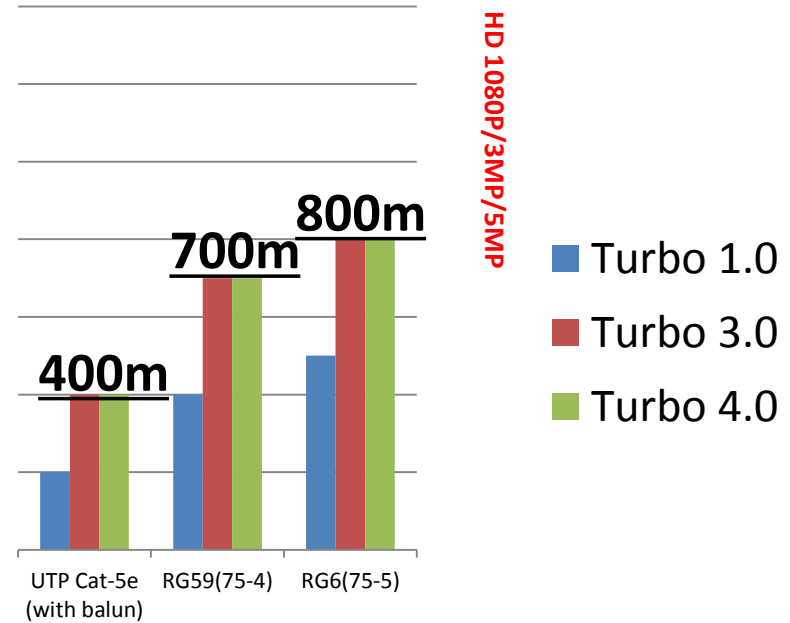
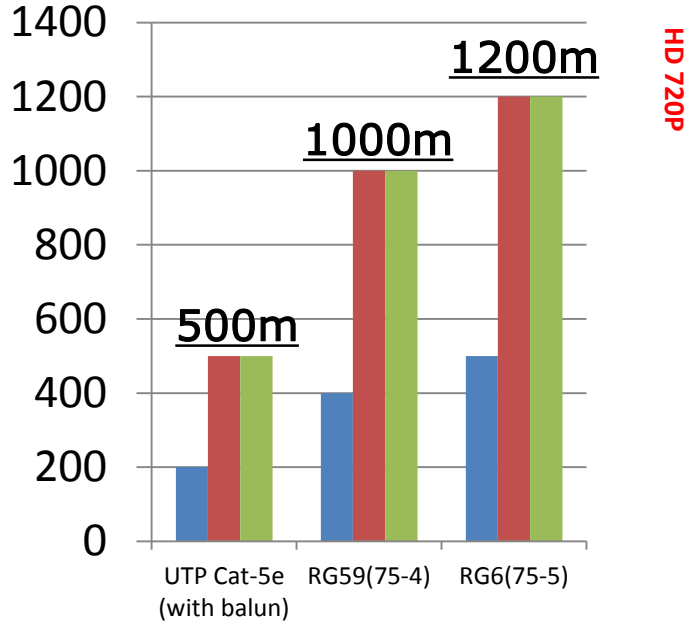
Part 1

# System Building

# 1.1 Turbo HD System

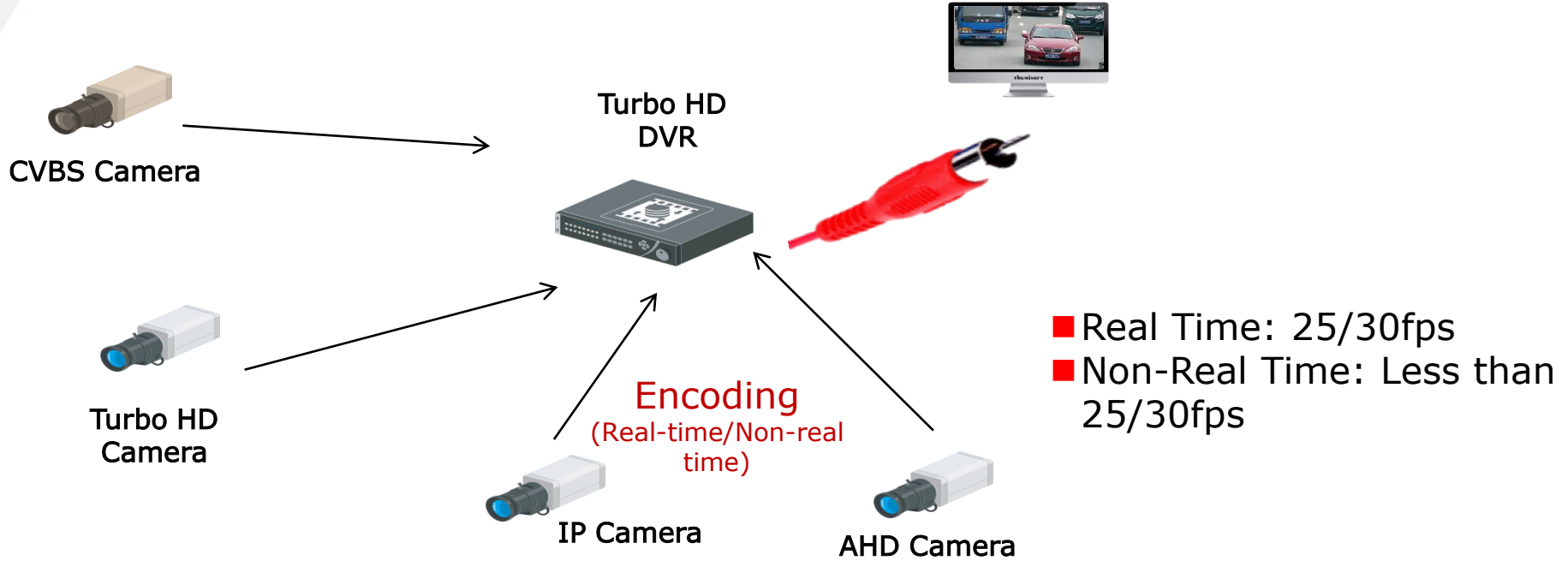


# 1.3 HD System Cabling



- Standard Coaxial Cable as UTP Cat-5e, RG59(75-4), RG6(75-5) and so on, without environment disturbances, like High Voltage or Strong magnetic;

# 1.4 Turbo HD System Cabling

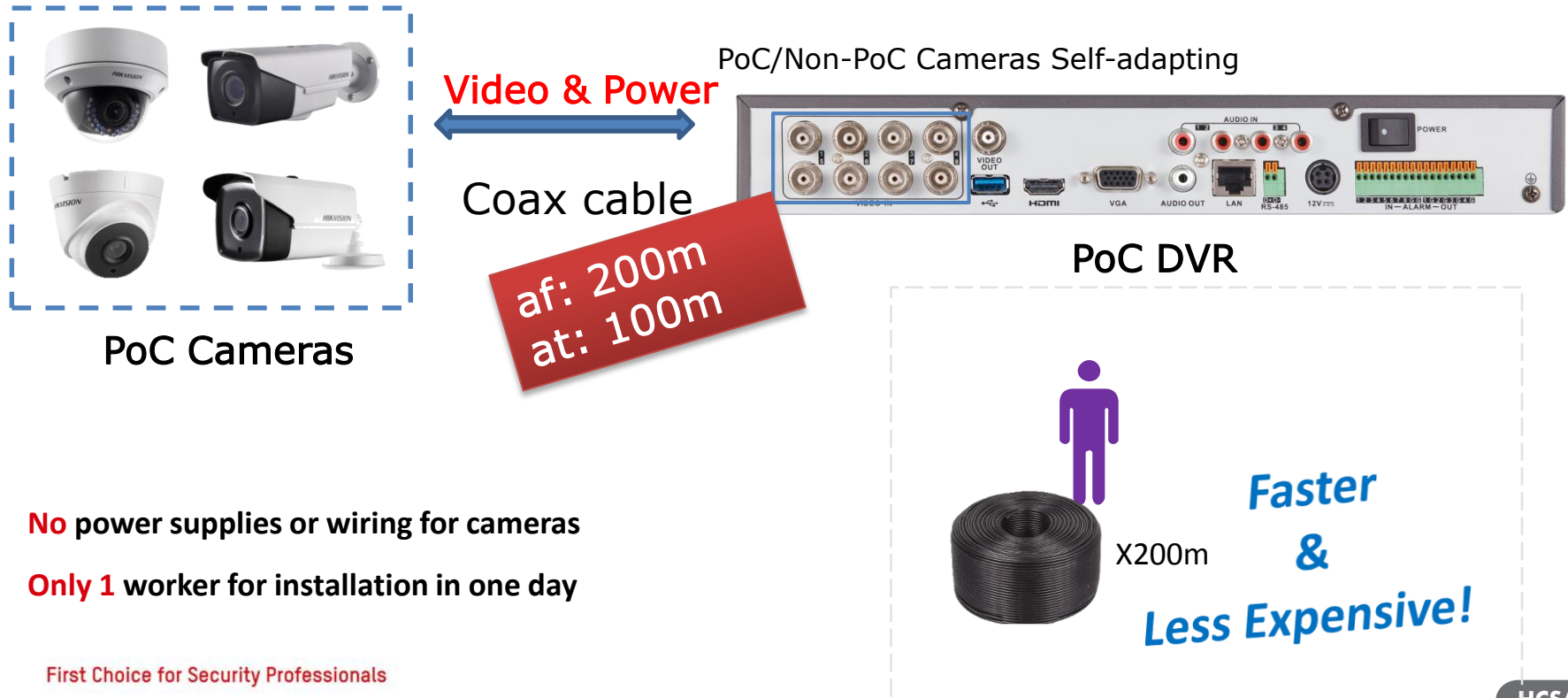


## DVR Access

Access with various cameras: CVBS Camera, Turbo HD camera, IP Camera and AHD Camera

# 1.5 Turbo HD Camera Powering

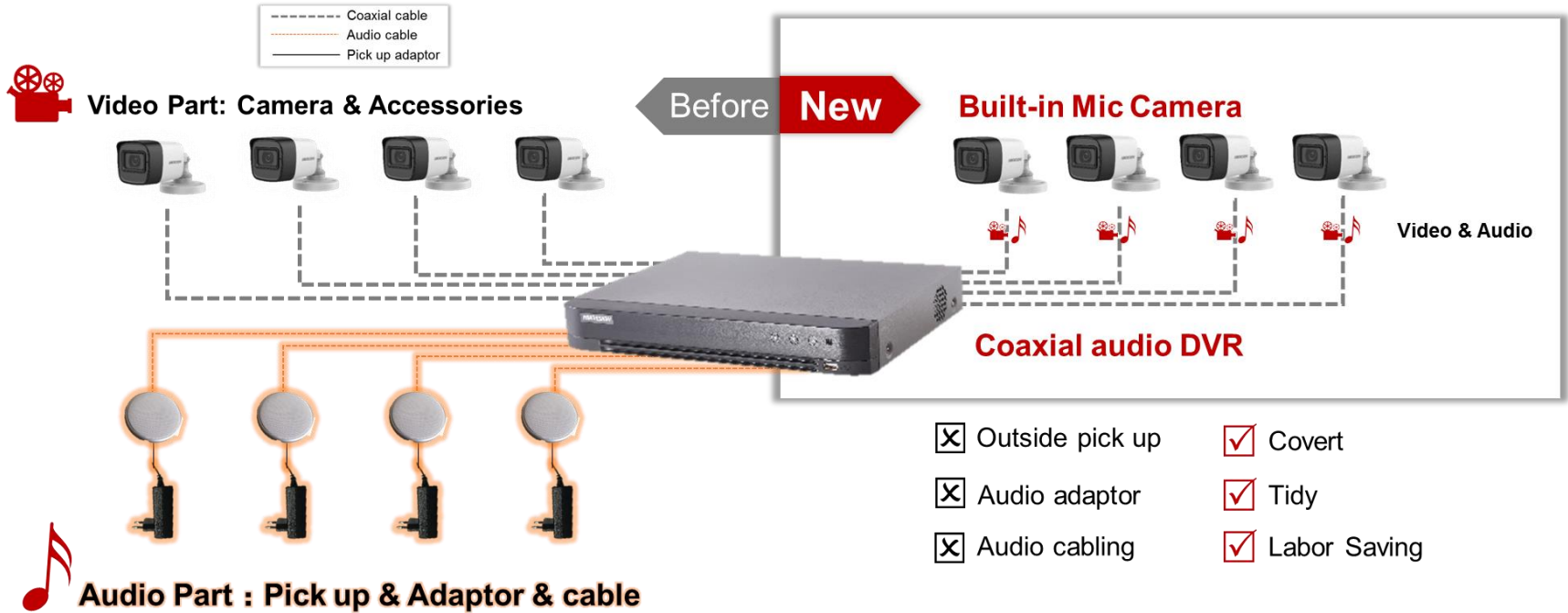
- One Cable to transmission Video and Power at the same time!





# 1.6 Turbo HD Camera Audio Accessing

- One Cable to transmission Video and Power at the same time!

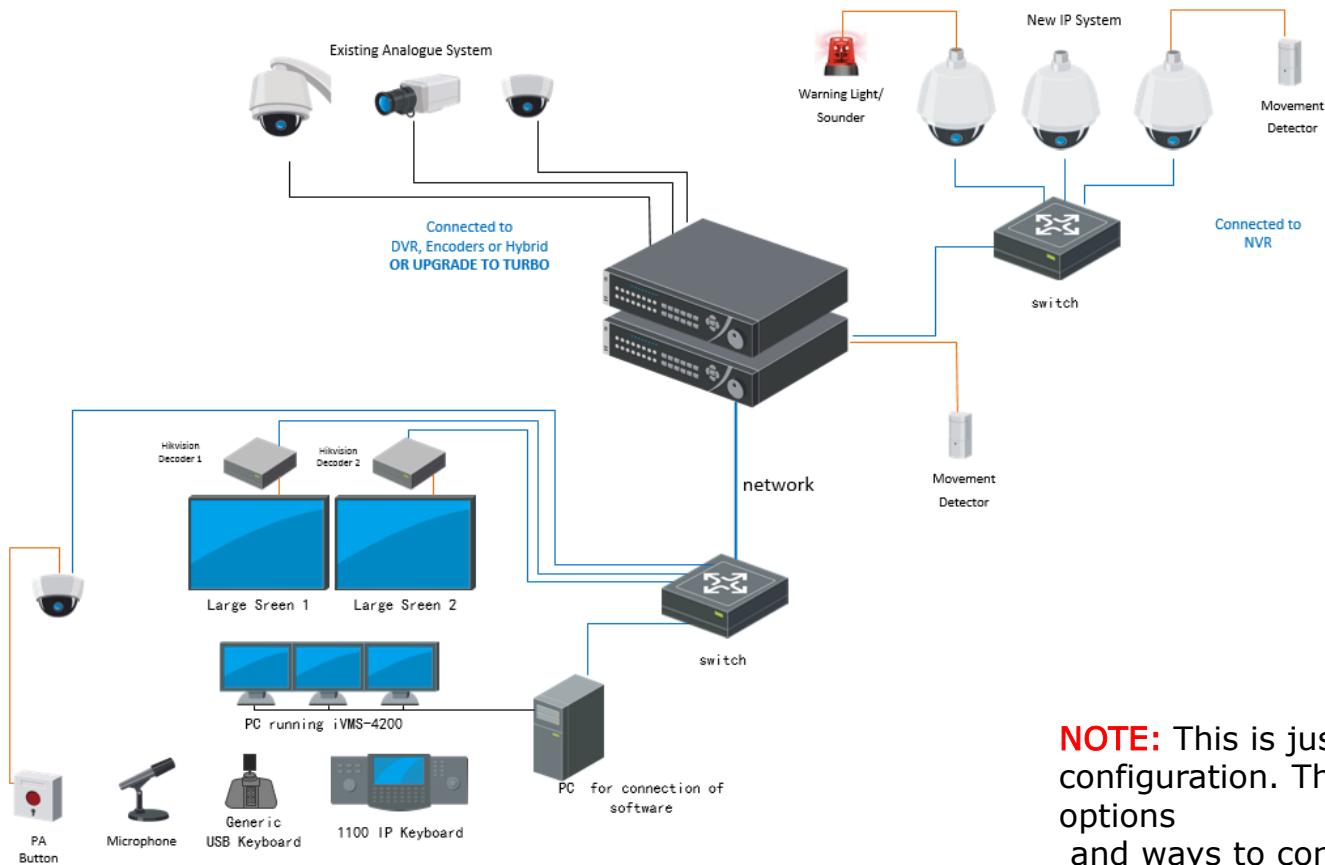


Up to **8m** audio collecting  
Up to **300m** transmission

# 1.7 Turbo HD System Connection

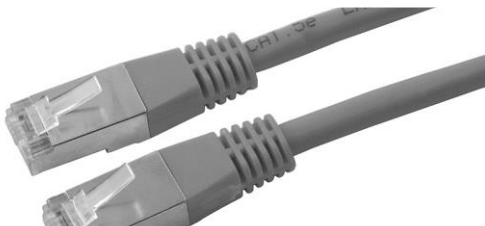


# 2. IP System Topology



**NOTE:** This is just a sample of a system configuration. There are many other options and ways to configure or connect your system.

## 2.1 IP system cabling



### *IP Camera Requirement*

- 802.3af or 802.3at
- *Power consumption  $\leq$  8W*
- *Recording bitrates  $\leq$  6Mbps*

### *Network Cable Requirement*

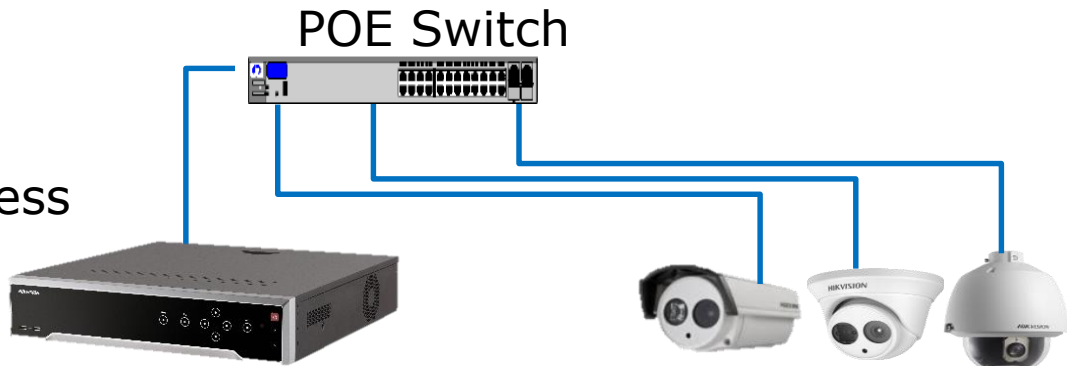
- *Cat5e cable up to 250m PoE transmission*
- *Cat6 cable up to 300m PoE transmission*

### *NVR Requirement*

- *NVR Model: -K/-I series PoE NVR*
- *Firmware Version: since v3.4.91*
- *Hardware Version: No limit*

## 2.2 IP system powering

- Single Switch
- POE could be used.
- Transmission Distance Less than 100M
- Easy to install
- No redundancy



NVR without POE

POE Extension Mode: 250m with 10Mbps  
Available for POE NVR/POE Switch



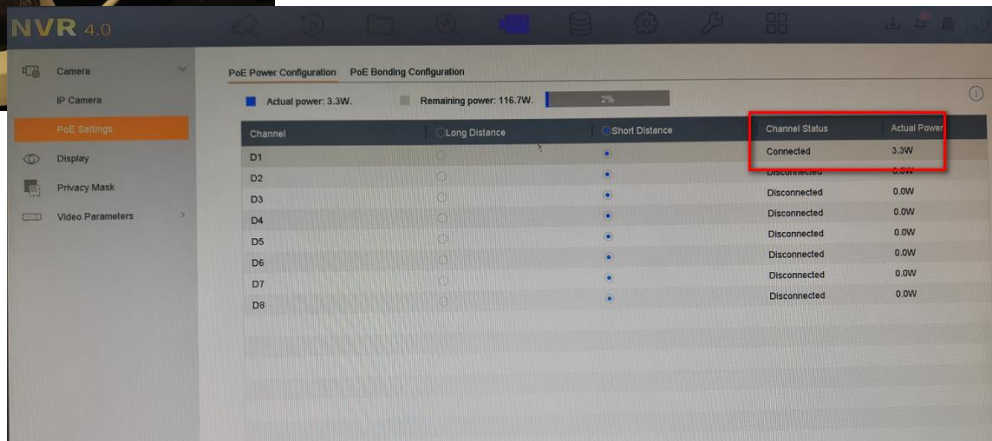
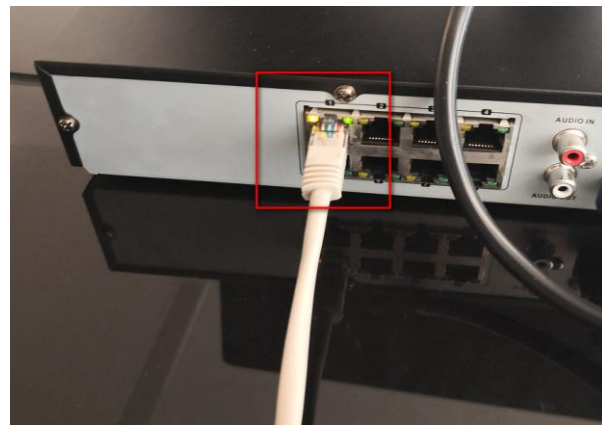
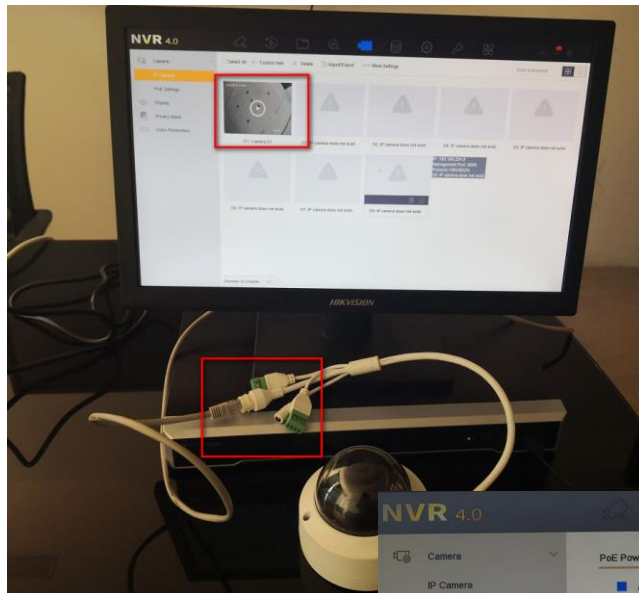
NVR with POE



## 2.3 POE Connection

### ■ POE connection

The NVR have POE ports  
Connect the camera to  
NVR via network cable

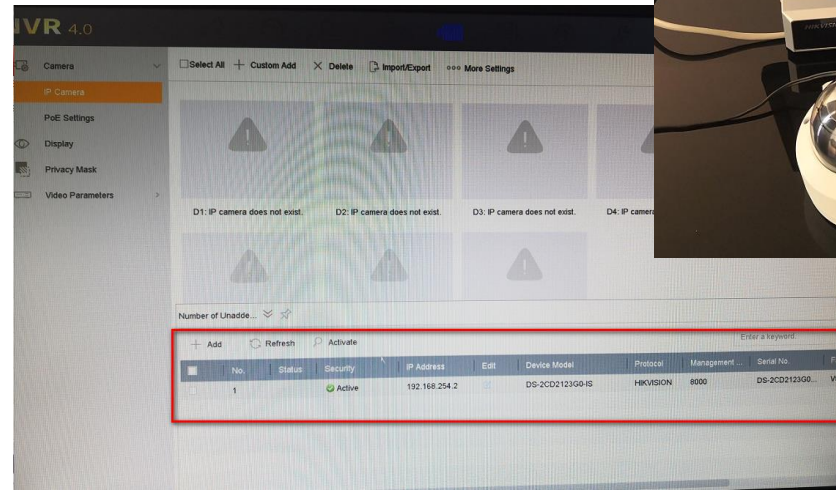
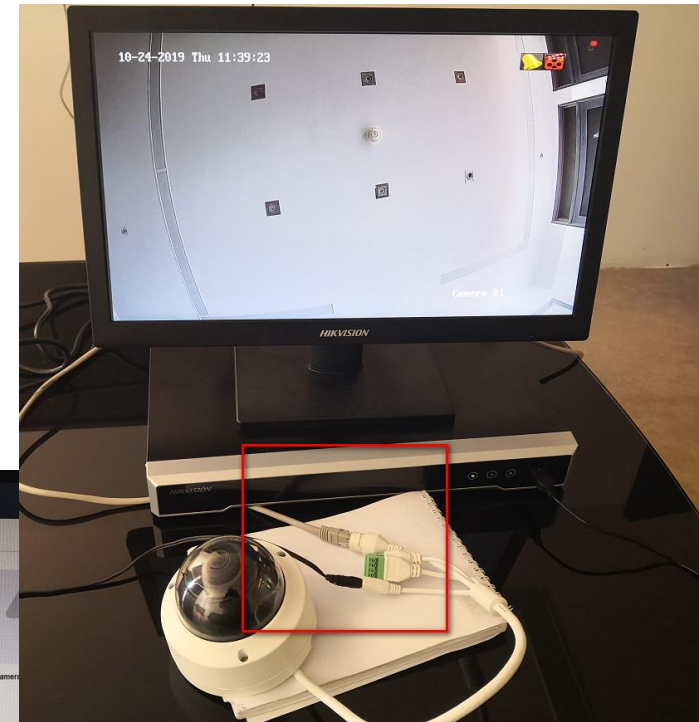


## 2.31 Non-POE Connection

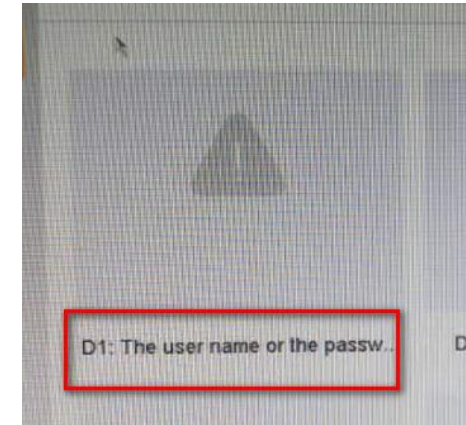
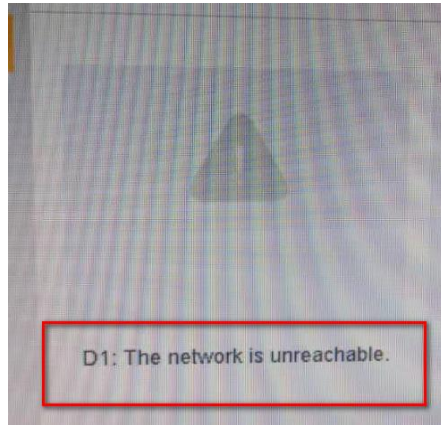
### ■ Normal Connection

NVR Without POE ports

Camera Accesses to the NVR via Network cable, and requires for an extra Power supply.



## 2.32 IP Camera Connection Failure



- **The Network is Unreachable:** check the IP address
- **The User Name or the Password is Wrong:** check the password
- **IP Camera Does not Exist:** check the power supply, cable or POE ports.

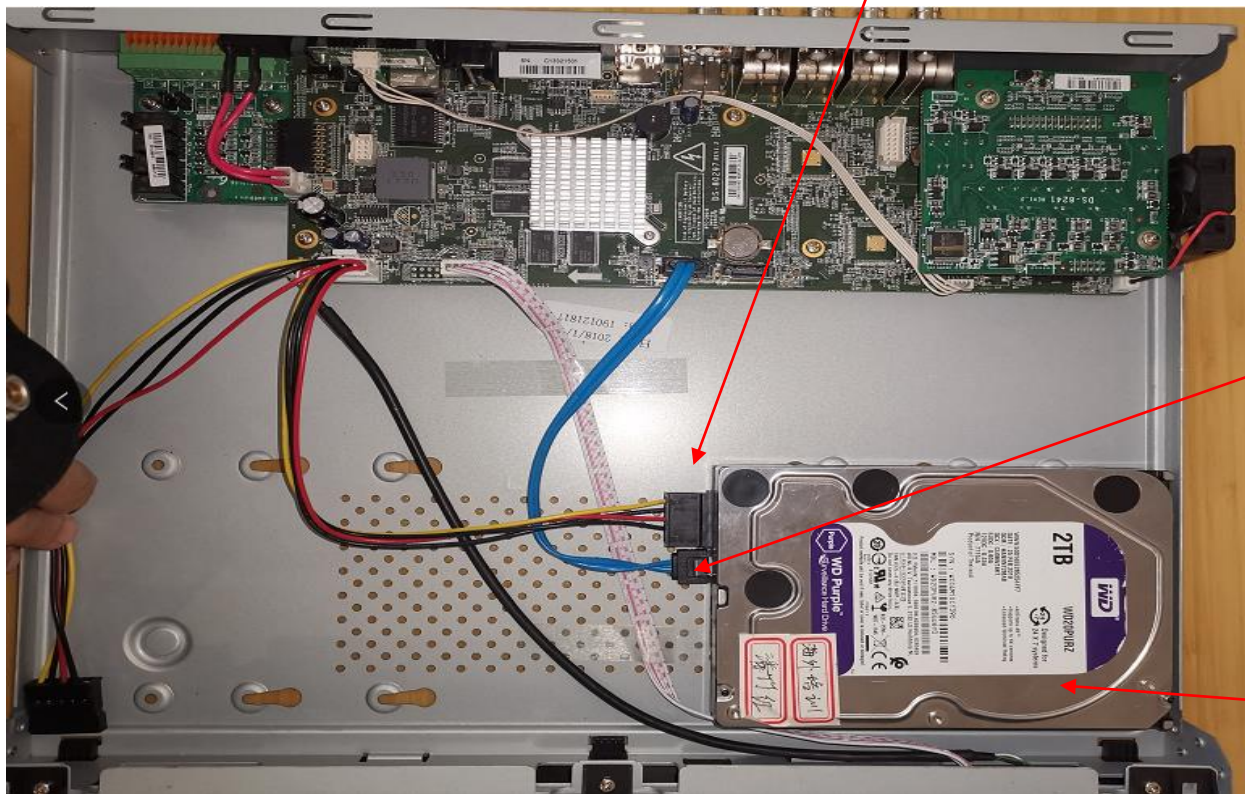


## 2.6 HDD/SD installation

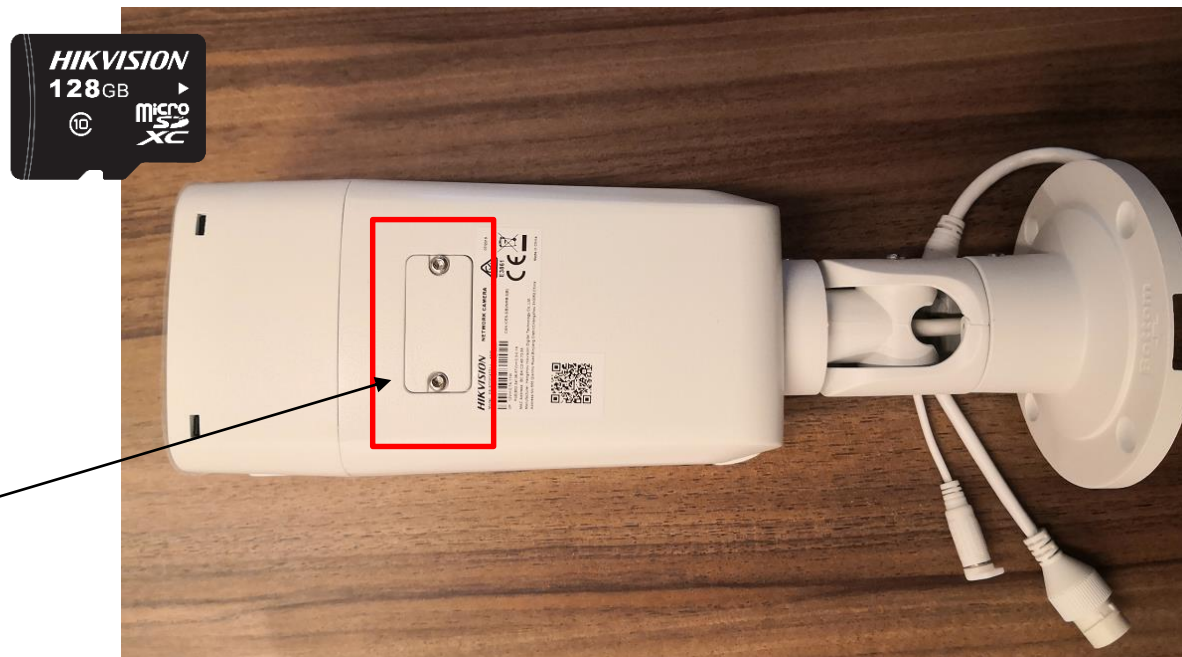
Power cable

Data cable

HDD



## 2.5 HDD/SD installation



When you open it, you will see The SD Card Slot

## 2.6 Device accessories

Screw Driver

CD

QSG

Drill Template



Screw and Waterproof cap

## 2.7 Device accessories

Water proof  
Dispose



IPC Ports  
Waterproof Solution

## 2.8 Bracket installation



Wall mount



Wall mount



Pendant Mount



Vertical pole  
mount



Rain shade



In-ceiling mount



Corner mount



Junction box

A decorative graphic in the top left corner of the slide, consisting of several overlapping, semi-transparent geometric shapes in shades of gray, creating a starburst or abstract pattern.

# Chapter Summary

- POC (working mode, power, distance)
- POE (working mode, power, distance)
- Water proof

Part 2

# Device Set-up

## 2.1 Device Setup Wizard

Device  
activation

Time  
setting

Network  
setting

Camera  
setting

Recording  
setting

Device  
Upgrading

Playback

Password  
Reset



# 2.2 Device Activation

## SADP Activate

- Select the inactive device
- Input the password to activate it

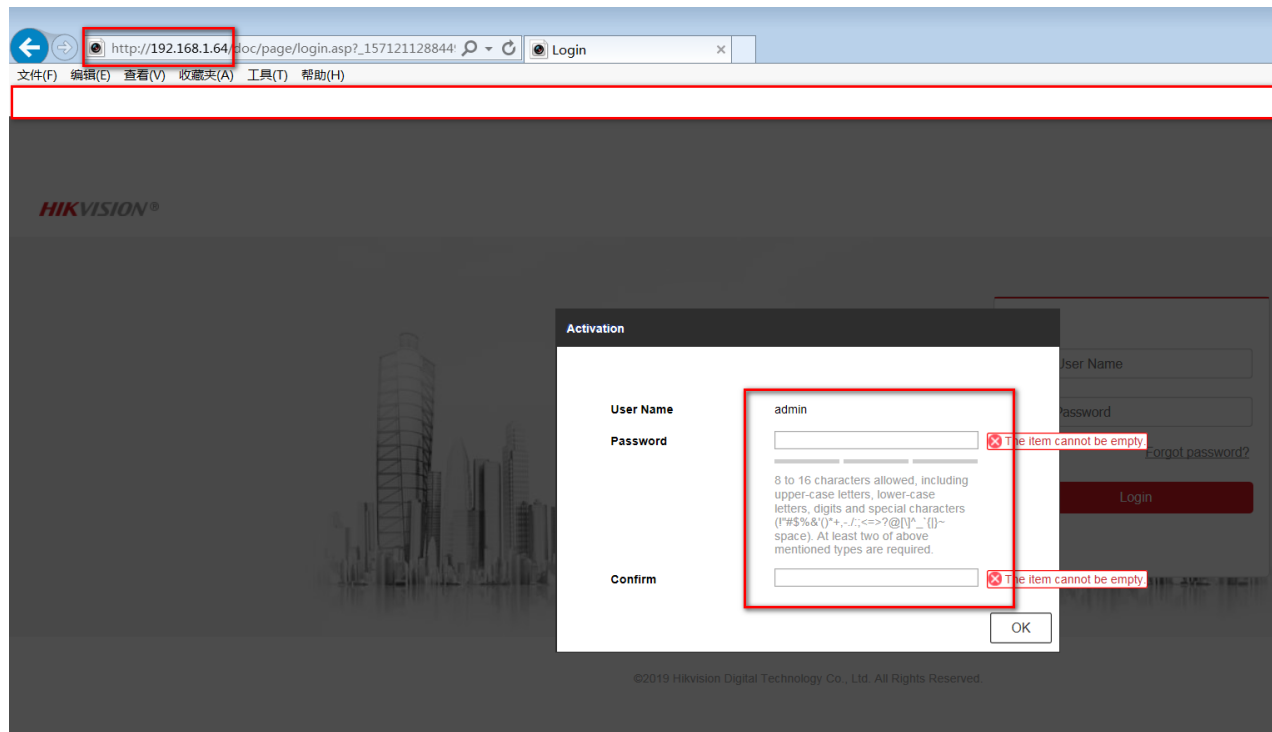
The screenshot shows the SADP (Smart Audio Device Protocol) management interface. At the top, it indicates 'Total number of online devices: 2'. Below this is a table with columns for ID, Device Type, Enhanced SDK Service, Status, IPv4 Address, Port, IPv4 Gate..., Software Ver..., and HTTP. Two devices are listed: ID 001 (DS-2CD2347G1-L) with status 'Inactive' (highlighted in a red box), and ID 002 (DS-D5A65RB/A) with status 'Active'. To the right of the table is an 'Activate the Device' panel. It features a blue padlock icon and the text 'The device is not activated.' Below this is a blue box stating 'You can modify the network parameters after the device activation.' Underneath is an 'Activate Now' section with a red-bordered box containing 'New Password:' and 'Confirm Password:' input fields, and an 'Enable Hik-Connect' checkbox. A red 'Activate' button is at the bottom of the panel.

ID	Device Type	Enhanced SDK Service	Status	IPv4 Address	Port	IPv4 Gate...	Software Ver...	HTTP
001	DS-2CD2347G1-L	8443	Inactive	192.168.1.64	8000	192.168.1.1	V5.6.0build 1...	80
002	DS-D5A65RB/A	N/A	Active	192.168.1.120	8000	192.168.1....	V1.0.3 build1...	80

## 2.2 Device Activation

### Web Client Activate

- Input the address: 192.168.1.64
- Login the Web Client to active device.



# 2.2 Device Activation

## Software Activation

- Enter Device management->Online Device->Camera
- Click **Activate** to activate the camera then camera will activate it automatically.

The screenshot shows the iVMS-4200 interface with the 'Maintenance and Management' tab selected. The 'Device' section is active, showing a list of devices. The 'Online Device' button is highlighted with a red box. Below the device list, there is a table with columns for IP, Device Model, Firmware Version, Security, Port, and Serial No. The 'Inactive' status in the Security column is highlighted with a red box. At the bottom right, there is an 'Activate' button, also highlighted with a red box, along with 'Add' and 'Close' buttons.

Name	Connecti...	Network Pa...	Device T...	Serial No.	Security ...	Resource...	Firmware Upgrade	Operation
K1T	IP/Domain	192.168.1.1...	Access C...	DS-K1A8503MF201...	Strong	Offline	No available version	[Icons]
face	IP/Domain	192.168.1.6...	Access C...	DS-K1T605MF-B201...	Strong	Offline	No available version	[Icons]

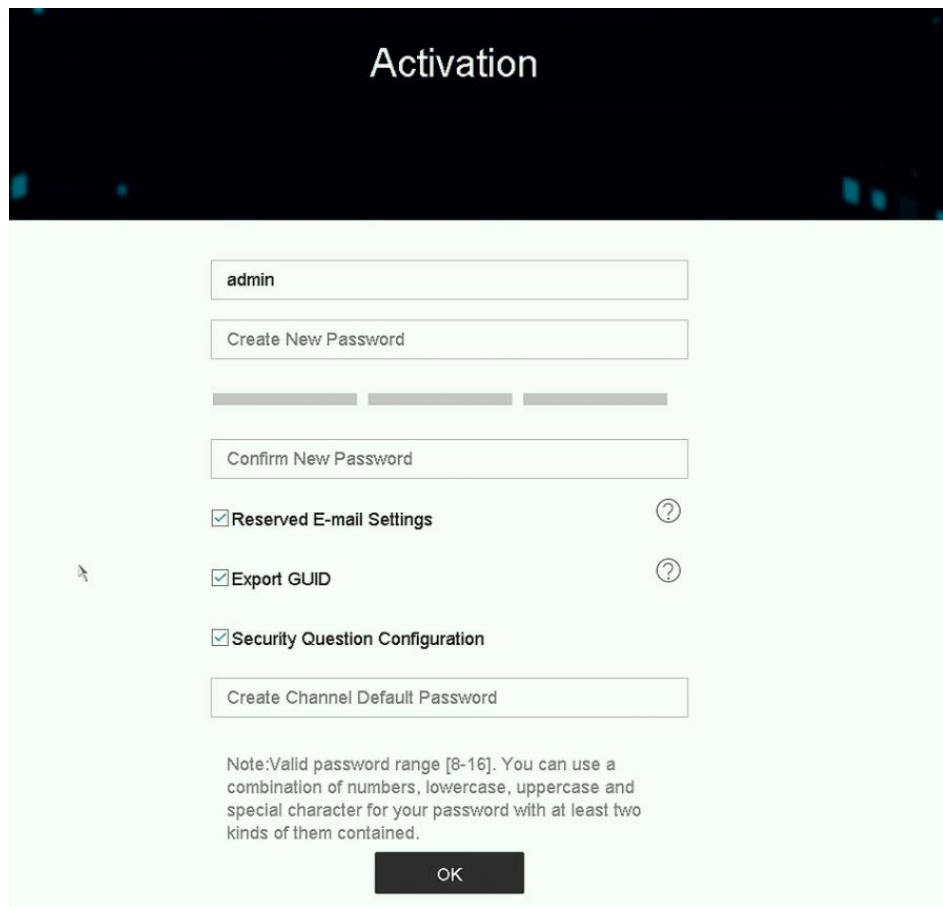
  

IP	Device Model	Firmware Version	Securi...	Port	Enhanc...	Serial No.	Boot Time	Added	Suppo...	Hik-C...	Operation
192.168...	DS-2CD2347G1-L	V5.6.0build 190507	Inactive	8000	8443	DS-2CD2347G1-L20190716AAWR...	1970-01-0...	No	Yes	Close	[Icons]
192.168...	DS-D5A65RB/A	V1.0.3 build190125	Active	8000	N/A	D15364469	2019-10-1...	No	N/A	N/A	[Icons]

## 2.2 Device Activation

### Local GUI Activation

- After starting the new device, you will see the activation view.
- From here can active device.
- You also can select the self-password ways



Activation

admin

Create New Password

Confirm New Password

Reserved E-mail Settings ?

Export GUID ?

Security Question Configuration

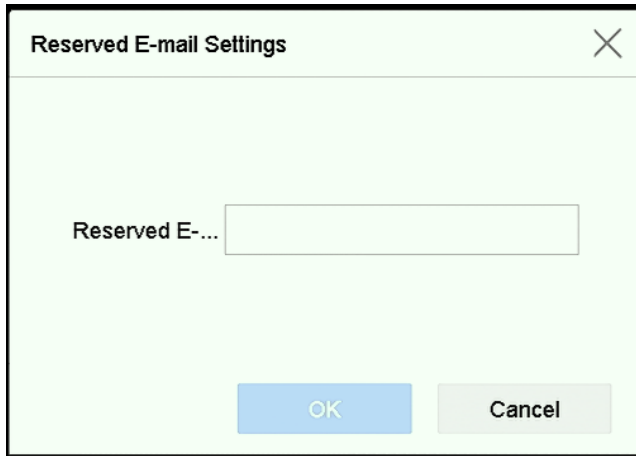
Create Channel Default Password

Note: Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

OK

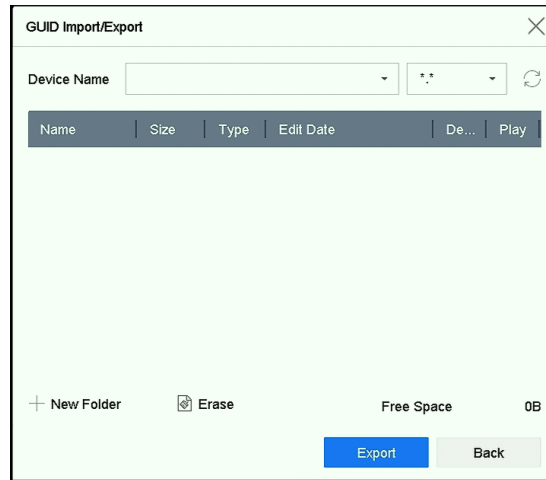
## 2.2 Device Activation

After activate device, you have should do the self-password reset setting, then you can reset it by yourself



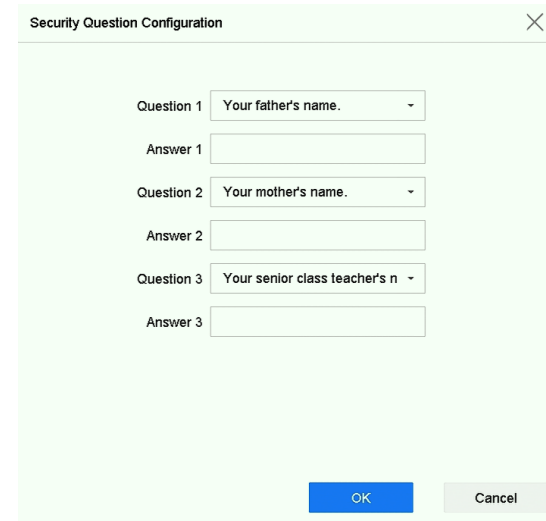
The dialog box is titled "Reserved E-mail Settings" and has a close button (X) in the top right corner. It contains a text input field labeled "Reserved E-...". At the bottom, there are two buttons: "OK" and "Cancel".

Email



The dialog box is titled "GUID Import/Export" and has a close button (X) in the top right corner. It features a "Device Name" dropdown menu and a refresh button. Below is a table with columns: Name, Size, Type, Edit Date, De..., and Play. At the bottom, there are buttons for "New Folder", "Erase", "Free Space", and "0B". At the bottom right, there are "Export" and "Back" buttons.

GUID file



The dialog box is titled "Security Question Configuration" and has a close button (X) in the top right corner. It contains three question-answer pairs. Each question is in a dropdown menu, and each answer is in a text input field. The questions are: "Your father's name.", "Your mother's name.", and "Your senior class teacher's n". At the bottom, there are "OK" and "Cancel" buttons.

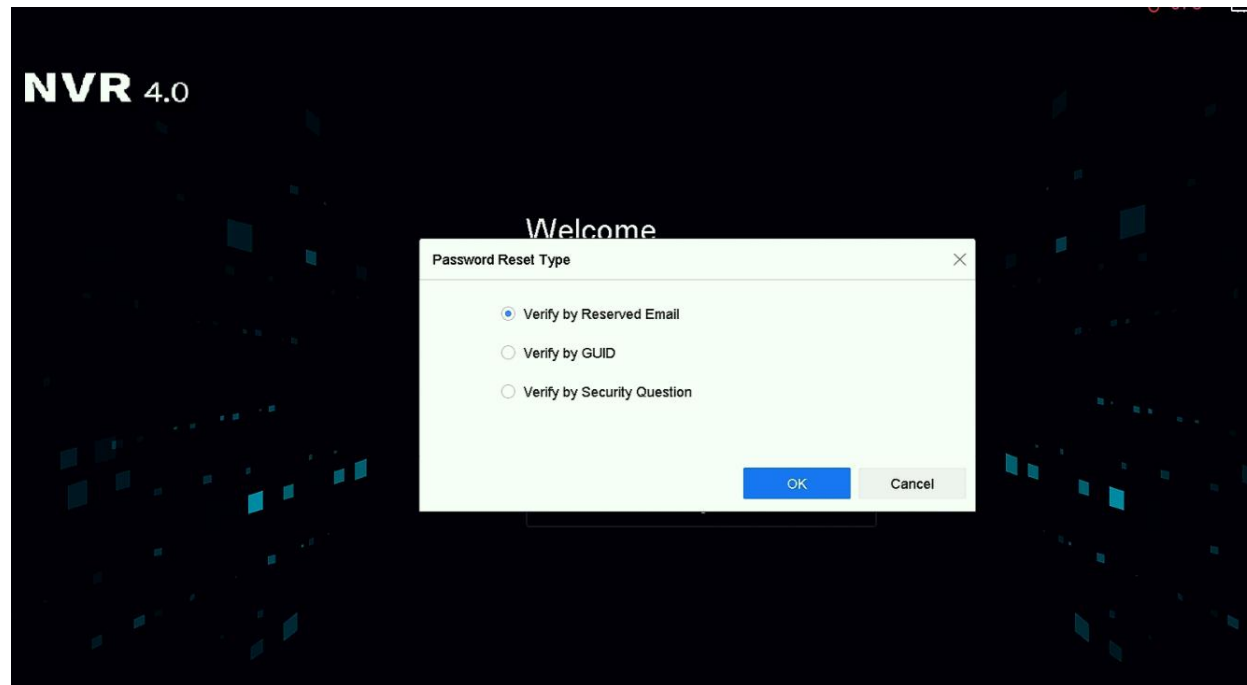
Security Question

## 2.3 Self-Password Reset

Click forget password

You can select:

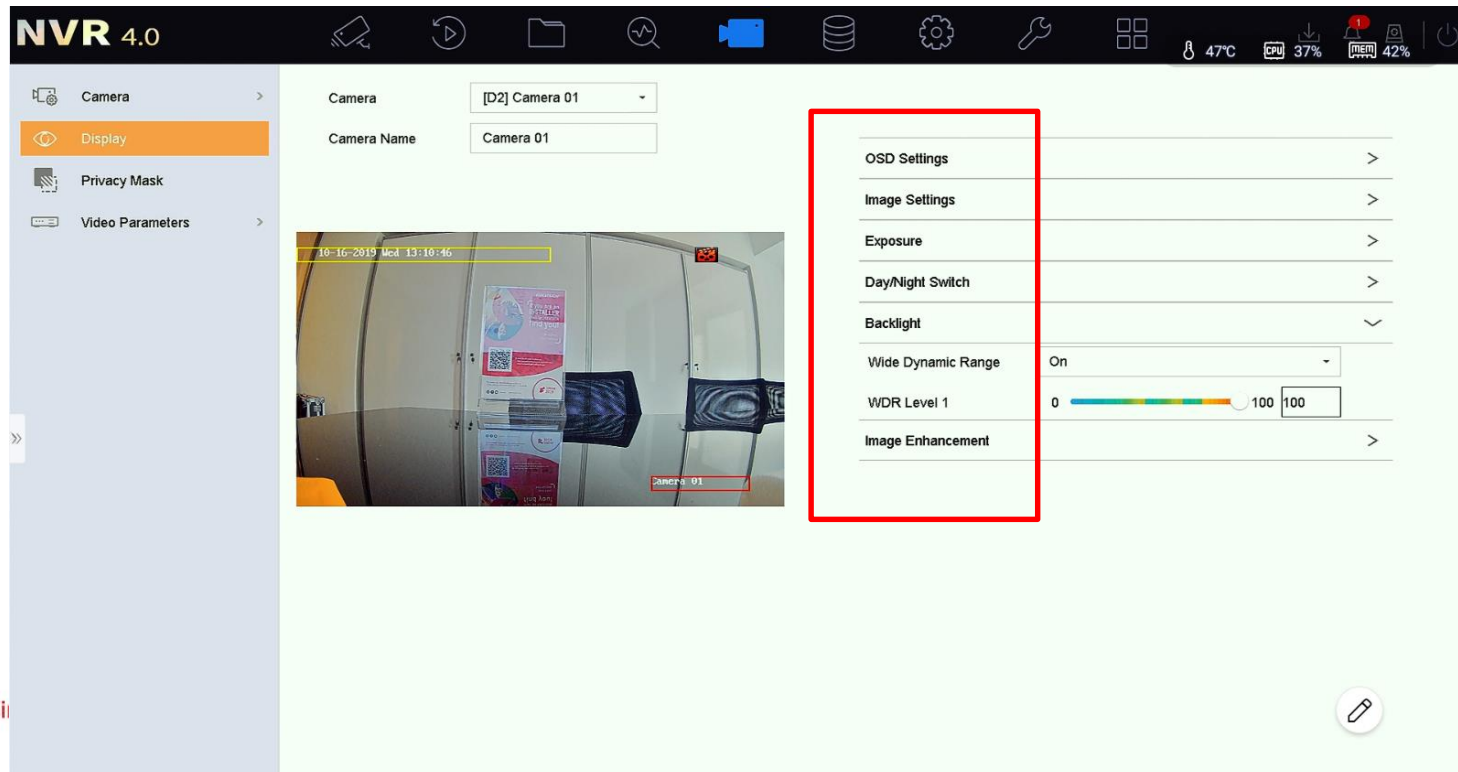
- By Email
- By GUID file
- By security question



# 2.4 GUI 4.0 Basic Setting

## Display setting

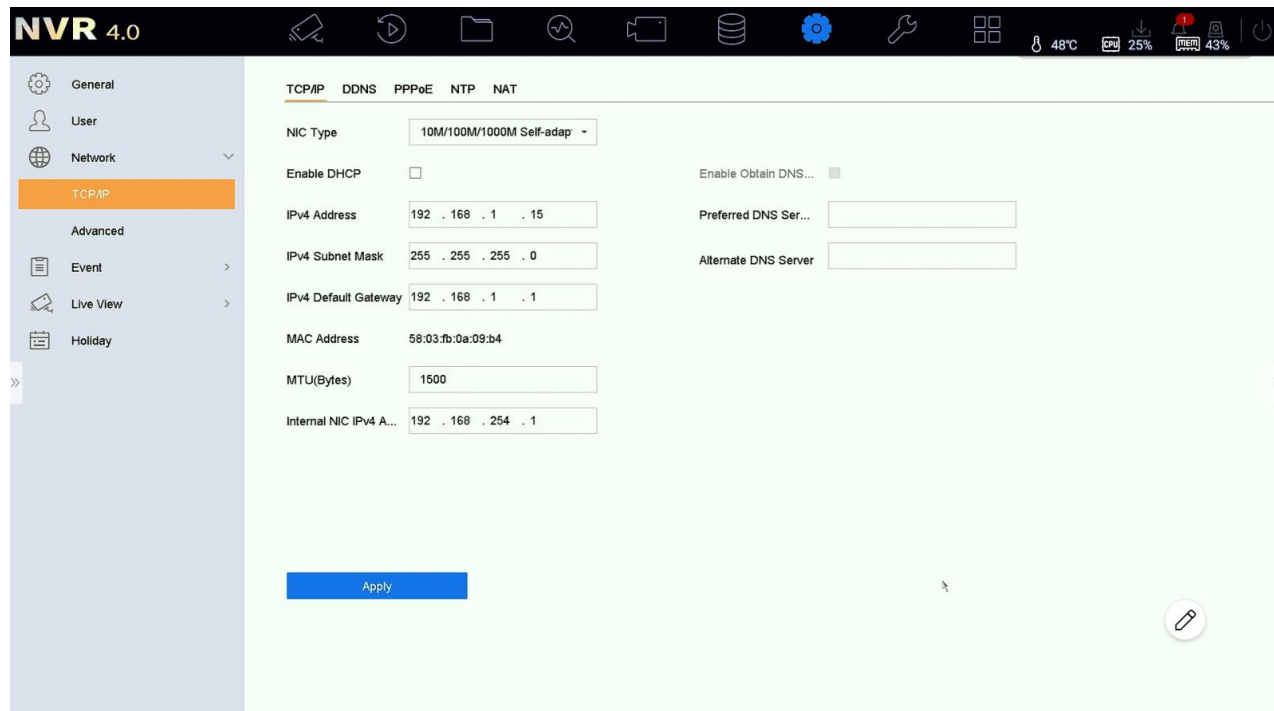
- Enter Menu-> Camera management->Display
- Click OSD setting/Image setting/Exposure/D/N Switch/Backlight/Image enhancement



# 2.4 GUI 4.0 Basic Setting

## Network setting

- Enter Menu->System management->Network-> TCP/IP





# 2.4 GUI 4.0 Basic Setting

## Time setting

- Enter Menu-> System management->General

**NVR 4.0**

General

- User
- Network
- Event
- Live View
- Holiday

Language: English

Time Zone: (GMT+08:00) Beijing, Urumc

Date Format: DD-MM-YYYY

System Date: 16-10-2019

System Time: 13:43:00

Device Name: Network Video Recorder

Device No.: 255

Auto Log out: 5 Minutes

Menu Output Mode: Auto

Enable Wizard:

Enable Password:

VGA Resolution: 1920\*1080/60HZ(1080P)

HDMI Resolution: 1920\*1080/60HZ(1080P)

Mouse Pointer Speed: Slow to Fast

Enable DST:

DST Mode: Auto / Manual

Start Time: Apr 1st Sun 2 :00

End Time: Oct last Sun 2 :00

DST Bias: 60 Minutes

Apply

# 2.4 GUI 4.0 Basic Setting

## IPC Activate/Quick Add

- Enter Menu->Camera Management->Camera
- Click **Activate** to activate the camera then camera will add to NVR automatically.
- Click **Add** to quickly add cameras that have same password with NVR

The screenshot shows the NVR 4.0 interface. On the left, a sidebar contains menu items: Camera, IP Camera, Display, Privacy Mask, and Encoding Parameters. The main area displays a camera management grid with thumbnails for 'D1: longdao1' and 'D2: camer2'. Below the thumbnails is a table of online devices. A dialog box titled 'Activation' is open, showing options to use an admin password or create a new one. The 'Activate' button in the table and the 'Inactive' status in the table are highlighted with red boxes.

No	Status	Security	IP Address
2	—	Inactive	192.168.1.6
3	—	Active	10.6.39.91
4	—	Active	10.6.39.242
5	—	Active	10.6.39.67
6	⚠	Active	10.6.39.243
7	—	Inactive	192.168.1.6

**Activation**

Use Admin Password

Password

Confirm

Note: Valid password range [0-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

Password Stre...

OK Cancel

## 2.4 GUI 4.0 Basic Setting

### IPC Custom Add

- Enter Menu->Camera Management->Camera
- Click the Custom Add tab on the title bar or click to enter the Add IP Camera interface.
- Enter IP address, protocol, management port, login user name, password camera to add

The screenshot displays the NVR 4.0 interface. On the left, the 'Camera' menu is expanded to 'IP Camera'. The main area shows a grid of camera thumbnails. A 'Custom Add' button is highlighted with a red box. A modal dialog box titled 'Add IP Camera (Custom)' is open, showing the following configuration:

- IP Camera Address: [Empty field]
- Protocol: HIKVISION
- Management Port: 8000
- Transfer Protocol: Auto
- User Name: admin
- Password: [Empty field]

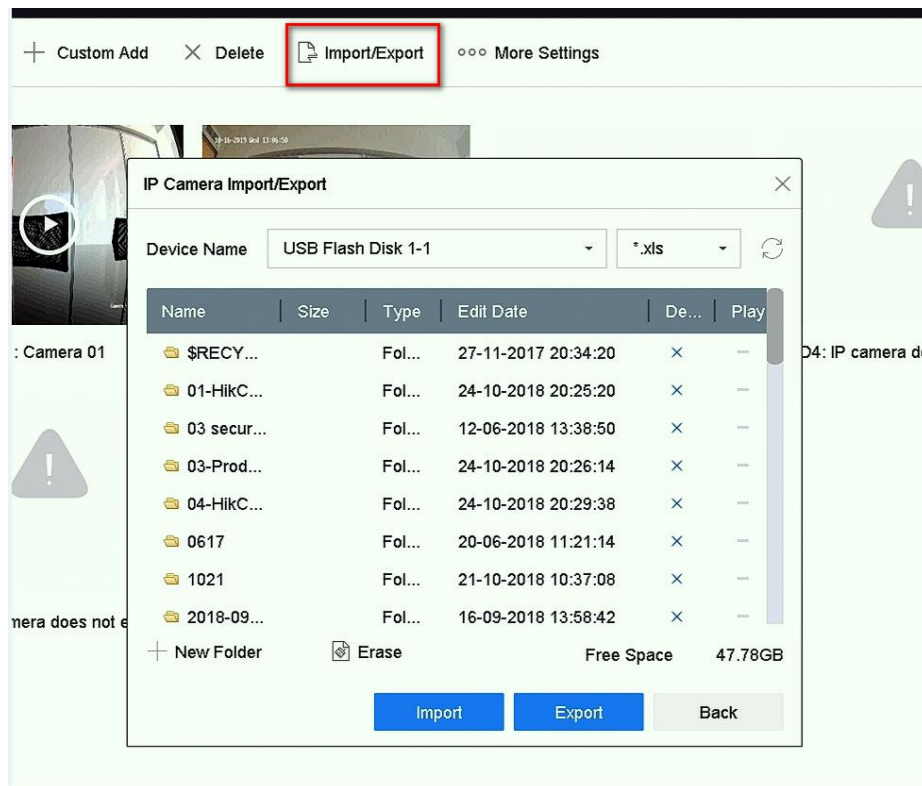
Below the dialog, a table lists existing cameras:

No.	Status	Security	IP Ad
2	Inactive		192.168.1.10
3	Active		10.6.3
4	Active		10.6.3
5	Active		10.6.39.243
6	Active		10.6.39.243
7	Inactive		192.168.1.64

## 2.4 GUI 4.0 Basic Setting

### IP Channel Import/Export

- Enter Menu->Camera Management->Camera->Import/Export
- Select the file
- Import/export



# 2.4 GUI 4.0 Basic Setting

## Encoding Parameters setting( Frame, Type, Bitrate)

- Enter Menu->Camera Management->Video Parameters->Stream
- Select the camera
- Select the Frame, Type, Bitrate

**NVR 4.0**

Camera: [D2] Camera 01

Encoding Parameters	Main Stream(Continuous)	Main Stream(Event)
Stream Type	Video	Video
Resolution	2688*1520	2688*1520
Bitrate Type	Variable	Variable
Video Quality	Medium	Medium
Frame Rate	Full Frame	Full Frame
Max. Bitrate Mode	Custom(32-16384)	Custom(32-16384)
Max. Bitrate(Kbps)	7150	7150
Max. Bitrate Range Recom...	7510~12517(Kbps)	7510~12517(Kbps)
Video Encoding	H.264	H.264
Enable H.264+	H.264+ H.265	

Buttons: Apply, Copy to

# 2.4 GUI 4.0 Basic Setting

## Recording setting(schedule; pre/post recording)

- Enter Menu->Storage management->Schedule->Record
- Select the schedule
- Click "Advanced", you can set pre/post record and expired time

Camera No. [D2] Camera 01

Enable Schedule

Advanced

Continuous Event Motion Alarm M | A M & A None Edit

	0	2	4	6	8	10	12	14	16	18	20	22	24	
Mon	[Blue bar]													1
Tue	[Blue bar]													2
Wed	[Blue bar]													3
Thu	[Blue bar]													4
Fri	[Blue bar]													5
Sat	[Blue bar]													6
Sun	[Blue bar]													7

Apply Copy to

Advanced Parameters

Record Audio:

Pre-Record: 5s

Post-Record: 5s

Stream Type: Main Stream

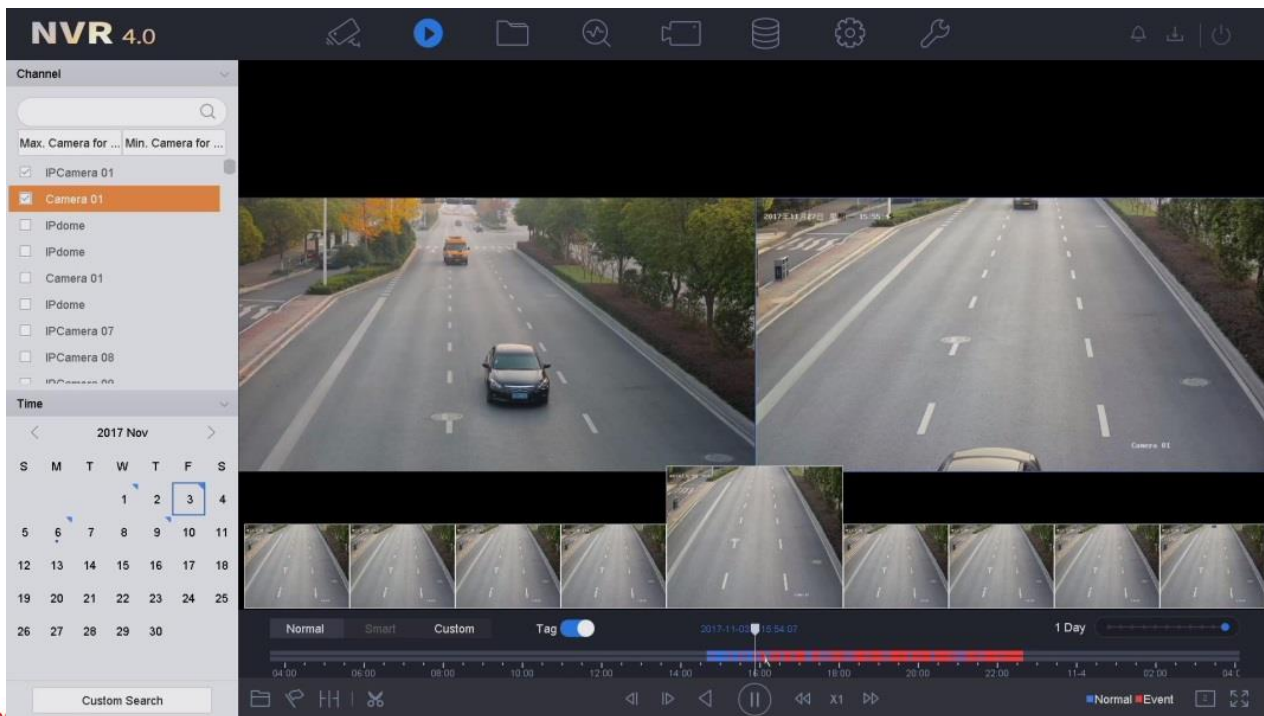
Expired Time (day): 0

OK Cancel

## 2.4 GUI 4.0 Basic Setting

### Playback & Search

- Enter Menu->Playback
- Select the camera and time



# 2.4 GUI 4.0 Basic Setting

## Local Upgrading

- Enter Menu->System maintenance->Upgrade->Local upgrade
- Select the upgrade file and click “upgrade”

The screenshot shows the NVR 4.0 interface. On the left is a navigation menu with 'Local Upgrade' selected. The main area displays the 'Upgrade' section for 'USB Flash Disk 1-1' with a file format filter set to '\*.dav;\*.mav;\*.iav'. A table lists the files on the disk:

File Name	File Size	File Type	Edit Date	Delete	Play
\$RECYCLE.BIN		Folder	27-11-2017 20:34:20	x	-
01-HikCentral V1.3 ...		Folder	24-10-2018 20:25:20	x	-
03 secureCRT & tftp...		Folder	12-06-2018 13:38:50	x	-
03-Product Promotio...		Folder	24-10-2018 20:26:14	x	-
04-HikCentral Supp...		Folder	24-10-2018 20:29:38	x	-
0617		Folder	20-06-2018 11:21:14	x	-
1021		Folder	21-10-2018 10:37:08	x	-
2018-09-08		Folder	16-09-2018 13:58:42	x	-
21 Overseas Syste...		Folder	03-11-2018 17:08:18	x	-
4200		Folder	18-09-2019 10:41:00	x	-
8600		Folder	04-11-2018 11:59:56	x	-
AI Products		Folder	23-11-2017 04:20:40	x	-
CRT		Folder	16-10-2018 13:20:32	x	-
HCNetSDKV5.2.1.1...		Folder	31-10-2016 07:08:42	x	-
HCSA None-Video		Folder	01-08-2018 11:10:36	x	-
Internet Explorer		Folder	31-01-2018 12:45:02	x	-
JUNE		Folder	02-07-2019 00:13:04	x	-



# 2.4 GUI 4.0 Basic Setting

## Online Upgrading

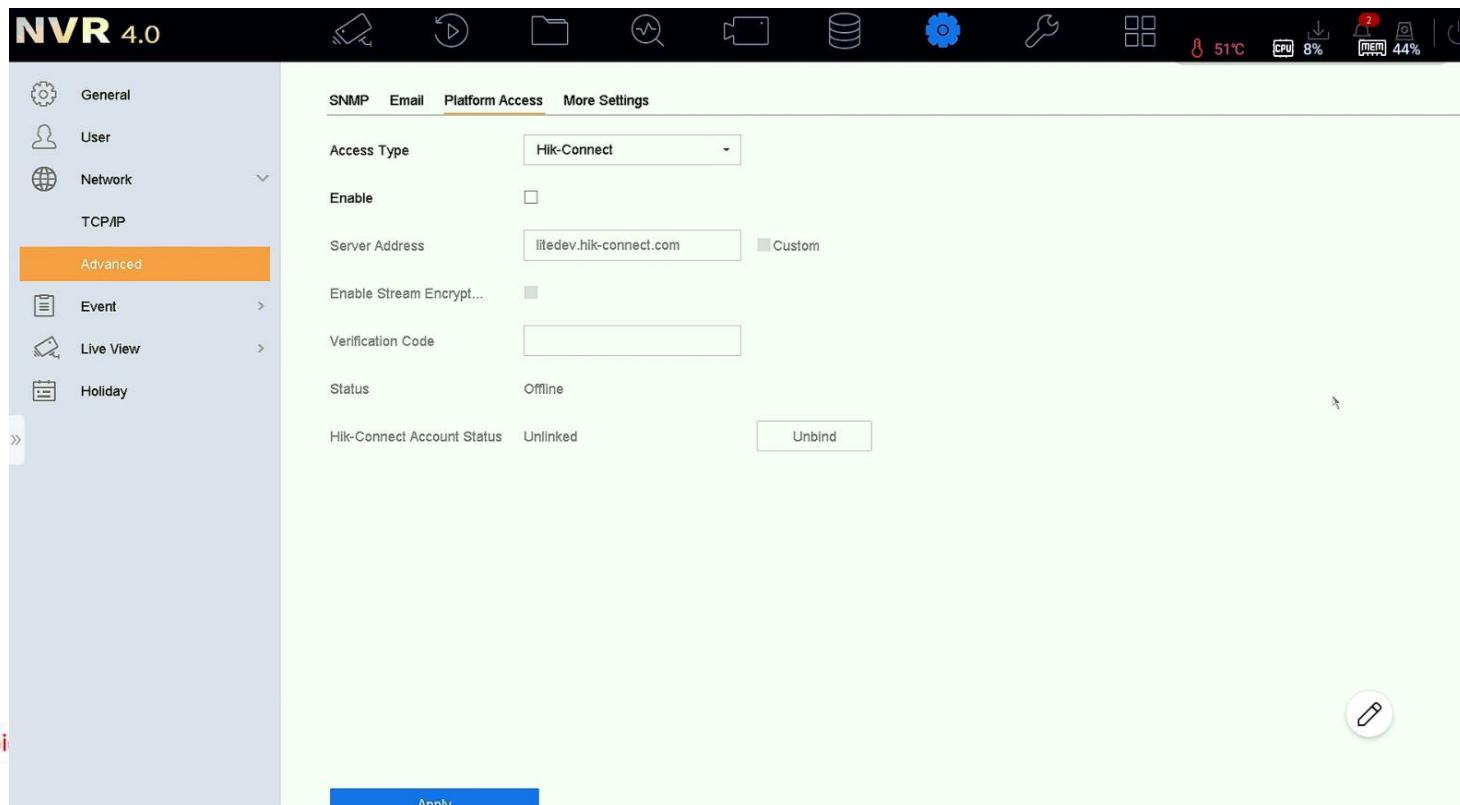
- Enter Menu->System maintenance->Upgrade->Online upgrade
- Enable Download latest upgrade package auto

The screenshot shows the NVR 4.0 web interface. At the top, there is a navigation bar with icons for various system functions and a status bar showing temperature (48°C), CPU usage (20%), and memory usage (43%). On the left, a sidebar menu lists system settings categories: System Info, Log Information, Import/Export, Upgrade (expanded to show Local Upgrade and FTP), Online Upgrade (highlighted in orange), Default, Network, HDD Operation, and System Service. The main content area displays the 'Online Upgrade' settings, showing the 'Current Version' as V4.21.005, Build 190509, and a toggle switch for 'Download Latest Upgrade Package Autom...' which is currently turned on.

# 2.5 GUI 4.0 Advance Setting

## Hik-Connect Service

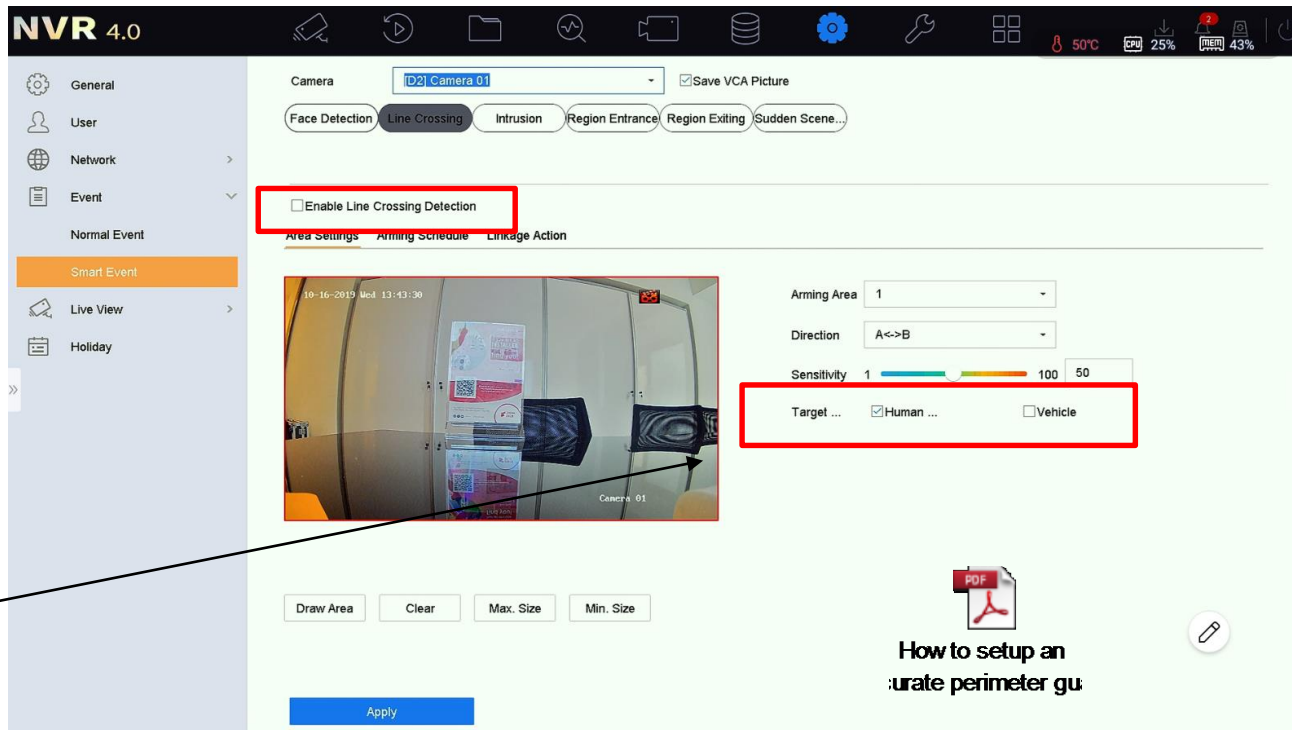
- Enter Menu->System management->Network->Advanced
- Enable Hik-Connect, set the Code. check the status



# 2.5 GUI 4.0 Advance Setting

## Event Enable

- Enter Menu-> System management->Event->Area setting
- Enable the event
- Draw the area
- Select the sensitivity



If the Camera/NVR/DVR support false alarm filter you can select the target

First Choice for Security Professionals

  
How to setup an  
:urate perimeter gu

# 2.5 GUI 4.0 Advance Setting

- Enter Menu-> System management->Event->Alarm schedule
- Select the schedule

The screenshot shows the NVR 4.0 interface. On the left is a navigation menu with options: General, User, Network, Event, Normal Event, Smart Event (highlighted), Live View, and Holiday. The main area is titled 'Camera [D2] Camera 01' and includes a 'Save VCA Picture' checkbox. Below this are tabs for 'Face Detection', 'Line Crossing' (selected), 'Intrusion', 'Region Entrance', 'Region Exiting', and 'Sudden Scene...'. A checkbox for 'Enable Line Crossing Detection' is present. Under 'Area Settings', the 'Arming Schedule' tab is active, showing 'Continuous' selected and 'None' unselected. An 'Edit' button is next to these options. The central part of the screen is a calendar grid with days of the week (Mon-Sun) and hours (0-24). All cells in the grid are filled with blue, indicating a continuous schedule. An 'Apply' button is at the bottom center, and a pencil icon is at the bottom right.

# 2.5 GUI 4.0 Advance Setting

- Enter Menu-> System management->Event-> Linkage Action
- Select the Linkage

**NVR 4.0**

Camera: [D2] Camera 01  Save VCA Picture

Face Detection | **Line Crossing** | Intrusion | Region Entrance | Region Exiting | Sudden Scene...

Enable Line Crossing Detection

Area Settings | Arming Schedule | **Linkage Action**

<input type="checkbox"/> Normal Linkage	<input checked="" type="checkbox"/> Trigger Alarm Output	<input type="checkbox"/> Trigger Channel	PTZ Linkage
<input type="checkbox"/> Full Screen Monitoring	<input type="checkbox"/> Local->1	<input type="checkbox"/> D1	PTZ Linkage: [D1] Camera 01
<input type="checkbox"/> Audible Warning	<input type="checkbox"/> 192.168.254.10:8000->1	<input checked="" type="checkbox"/> D2	<input type="radio"/> Preset No.: 1
<input type="checkbox"/> Notify Surveillance Center	<input type="checkbox"/> 192.168.254.10:8000->2	<input type="checkbox"/> D3	<input type="radio"/> Patrol No.: 1
<input type="checkbox"/> Send Email		<input type="checkbox"/> D4	<input type="radio"/> Pattern No.: 1
		<input type="checkbox"/> D5	

Apply

# 2.5 GUI 4.0 Advance Setting

## Alarm Input

- Enter Menu-> System management->Normal Event-> Alarm input
- Select the No.

**NVR 4.0**

General | User | Network | Event | **Normal Event** | Smart Event | Live View | Holiday

**Edit**

Alarm Input No. Local<-1 | Type N.O

Alarm Name

Settings  Nonuse  Input  One-Key Dis...

Arming Schedule Linkage Action Combined Alarm

Continuous  None Edit

	0	2	4	6	8	10	12	14	16	18	20	22	24	
Mon	■	■	■	■	■	■	■	■	■	■	■	■	■	1
Tue	■	■	■	■	■	■	■	■	■	■	■	■	■	2
Wed	■	■	■	■	■	■	■	■	■	■	■	■	■	3
Thu	■	■	■	■	■	■	■	■	■	■	■	■	■	4
Fri	■	■	■	■	■	■	■	■	■	■	■	■	■	5
Sat	■	■	■	■	■	■	■	■	■	■	■	■	■	6
Sun	■	■	■	■	■	■	■	■	■	■	■	■	■	7

Copy to Apply

# 2.5 GUI 4.0 Advance Setting

## Alarm Output

- Enter Menu-> System management->Normal Event-> Alarm Output
- Select the No.

**NVR 4.0**

**Edit**

Alarm Output No. Local->1 Dwell Time 5s

Alarm Name Alarm Status Close

**Arming Schedule**

Continuous  None Edit

	0	2	4	6	8	10	12	14	16	18	20	22	24	
Mon	█	█	█	█	█	█	█	█	█	█	█	█	█	1
Tue	█	█	█	█	█	█	█	█	█	█	█	█	█	2
Wed	█	█	█	█	█	█	█	█	█	█	█	█	█	3
Thu	█	█	█	█	█	█	█	█	█	█	█	█	█	4
Fri	█	█	█	█	█	█	█	█	█	█	█	█	█	5
Sat	█	█	█	█	█	█	█	█	█	█	█	█	█	6
Sun	█	█	█	█	█	█	█	█	█	█	█	█	█	7

Trigger Copy to Apply

# 2.5 GUI 4.0 Advance Setting

## Storage setting (storage mode)

- Enter Menu->Storage management->Storage mode
- Select the Quota or Group

**NVR 4.0** Storage Mode Settings

**Mode:**  Quota  Group

**Camera:** [D1] Camera 01

**Used Record Capacity:** 1024.00MB

**Used Picture Capacity:** 1024.00MB

**HDD Capacity (GB):** 1863

**Max. Record Capacity (GB):** 0

**Max. Picture Capacity (GB):** 0

▲ Free Quota Space 1863 GB

**Buttons:** Apply, Copy to

**Right Panel Settings:**

**Mode:**  Quota  Group

**Record on HDD Group:** 1

**Options:**  IP Camera  D1  D2  D3  D4  D5  D6  D7  D8

**Buttons:** Apply



How to use  
ancy Record in Gr



# 2.5 GUI 4.0 Advance Setting

## Storage setting (Advanced)

- Enter Menu->Storage management->Advanced
- Enable/disable Overwrite, HDD sleeping, RAID

The screenshot shows the NVR GUI 4.0 interface. At the top is a dark navigation bar with the 'NVR' logo and several icons: a camera, a play button, a folder, a magnifying glass, a video camera, a database cylinder, a gear, and a wrench. On the left is a sidebar with four menu items: 'Recording Schedule' (calendar icon), 'Storage Device' (hard drive icon), 'Storage Mode' (floppy disk icon), and 'Advanced' (gear icon, highlighted in orange). The main content area is titled 'Storage setting (Advanced)'. It contains the following settings:

- Overwrite:**
- eSATA:** A dropdown menu with 'eSATA1' selected.
- Usage:** A dropdown menu with 'Export' selected.
- Enable HDD Sleeping
- Enable RAID

Below these settings is a note: "In quota mode, the videos of channel shares no quota will be overlapped. You need to allocate channel with valid q...". At the bottom of the main area is a blue 'Save' button.

## 2.5 GUI 4.0 Advance Setting

### File management (Human/Vehicle/Event/Picture)

- Enter Menu->File management
- You can select all files/human files/vehicle files and select file type and event type

The screenshot displays the NVR 4.0 File Management interface. At the top, a black navigation bar contains the 'NVR 4.0' logo and various system icons including a camera, play button, folder, magnifying glass, video camera, database, gear, wrench, grid, temperature (48°C), CPU usage (20%), memory usage (43%), and power. Below this is a search filter panel with a left sidebar and a main configuration area. The sidebar includes 'All Files' (selected), 'Human Files', and 'Vehicle Files', along with a 'Search Condition' section. The main area contains search criteria: 'Time' (Custom, 2019-10-16 00:00:00 to 2019-10-16 23:59:59), 'Camera' ([All] Camera), 'File Type' (Video), 'Tag' (empty), 'Event Type' (None), and 'Plate No.' (empty). 'File Status' is set to 'All' and 'Area/Country' is set to 'None'. At the bottom, there are buttons for 'Empty Conditions', 'Search', and 'Save', along with a pencil icon for editing.

First Choice

# 2.5 GUI 4.0 Advance Setting

## Playback & Search

- Enter Menu->Playback
- Select the camera and time, click "video search"
- Select the video file to lock and export

Channel

IPCamera 1

IPCamera 2

IPCamera 3

IPCamera 4

IPCamera 5

IPCamera 6

IPCamera 7

IPCamera 8

IPCamera 9

IPCamera 10

Time

2019 Oct

S M T W T F S

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30 31

Video Search

NVR 4.0

Search Condition

Group: Channel Time

D1 16-10-2019 13:13:23~16-10-2019 16:45:05

Export

Select All

D1 16-10-2019 13:13:28~16-10-2019 16:45:05

Exit

Total: 3 P: 1/2

## 2.6 NVR Web Client

### ANR function

- Make sure IPC is installed with SD card (pre-allocated).
- Enable the ANR on the web page of NVR
- Web Configuration -> Storage -> Schedule Settings -> Advanced

The screenshot displays the HIKVISION NVR Web Client interface. The 'Configuration' tab is active, and the 'Record Schedule' section is selected. The 'Channel No.' is set to 'IP Camera3'. The 'Enable' checkbox is checked. The 'Record Schedule' table shows a continuous recording schedule for all days of the week (Mon-Sun) from 0 to 24 hours. An 'Advanced' dialog box is open, showing the following settings:

Setting	Value
Record Audio	<input checked="" type="checkbox"/>
Enable ANR	<input checked="" type="checkbox"/>
Pre-record	5s
Post-record	5s
Stream Type	Main Stream
Expired Time	0 Day(s)

The 'Enable ANR' checkbox is highlighted with a red rectangle. The dialog box also includes 'OK' and 'Cancel' buttons.

# 2.6 NVR Web Client

## Virtual host

- Configuration->Network->Advanced Settings->Other
- Enable the virtual host on the web page of NVR

Enable Virtual Host

- Local
- System
  - System Settings
  - Maintenance
  - Security
  - Camera Management**
  - User Management

### IP Camera

IP Camera									Add	Modify	Delete	Quick Add	Custom P...	Activation	
<input type="checkbox"/>	Channel No.	IP Address	Channel No.	Management Port	Security	Status	Protocol	Connect							
<input type="checkbox"/>	D01	192.168.254.3	1	8000	Weak	Offline(Network A...	HIKVISION	http://10...							
<input type="checkbox"/>	D02	192.168.254.4	1	8000	N/A	Offline(IP camera...	HIKVISION	http://10...							
<input type="checkbox"/>	D03	192.168.254.5	1	8000	Weak	Offline(Network A...	HIKVISION	http://10...							
<input checked="" type="checkbox"/>	D04	192.168.254.10	1	8000	N/A	Online	HIKVISION	http://10...							



User: | |  
Password: | |  
**Login**

# 2.7 GUI 4.0 NVR

## POE setting

- Enter Menu->Camera Management->Camera->POE setting
- Select the long distance to enable the enhance POE
- Check the power status

**NVR 4.0**

Camera Management | Playback | File | Search | Camera | Storage | Settings | Tools | View | 48°C | CPU 37% | MEM 43%

Camera Management > IP Camera > PoE Settings

PoE Power Configuration | PoE Bonding Configuration

Actual power: 10.1W. Remaining power: 109.9W. 8%

Channel	<input type="radio"/> Long Distance	<input checked="" type="radio"/> Short Distance	Channel Status	Actual Power
D1	<input type="radio"/>	<input checked="" type="radio"/>	Connected	4.4W
D2	<input type="radio"/>	<input checked="" type="radio"/>	Connected	5.7W
D3	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W
D4	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W
D5	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W
D6	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W
D7	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W
D8	<input type="radio"/>	<input checked="" type="radio"/>	Disconnected	0.0W

# 2.8 GUI 4.0 DVR

## POC setting

- Enter Menu->Camera Management->Camera->POC status
- Select the on/off to enable/disable the POC
- Check the power status

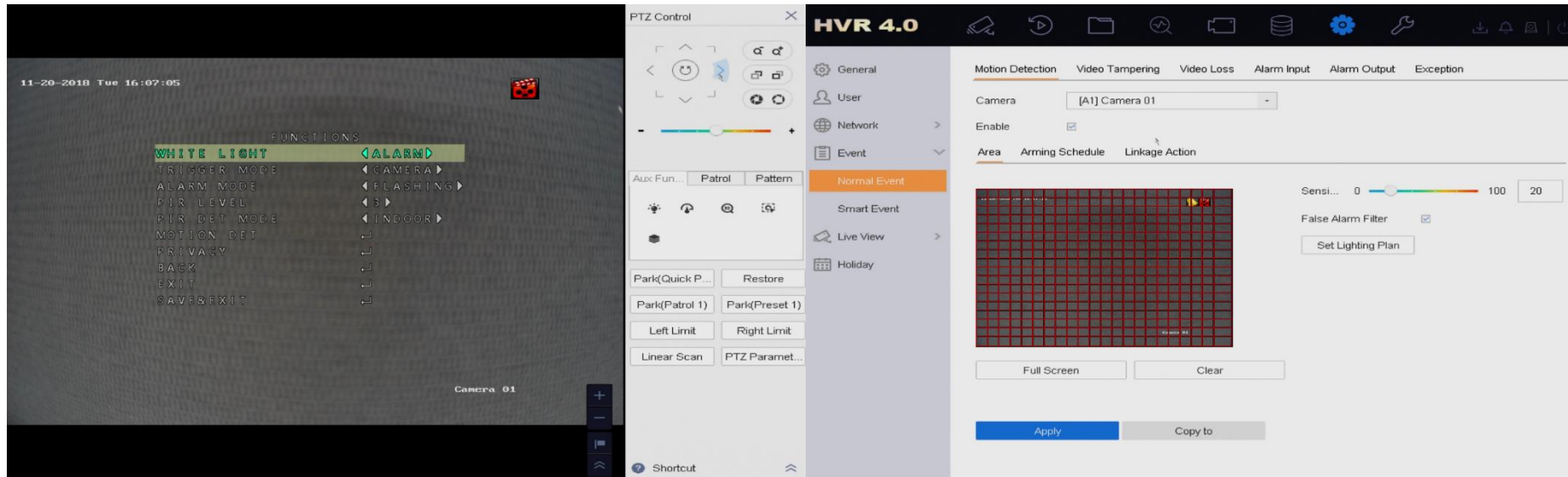
The screenshot shows the HVR 4.0 interface with the 'PoC Status' menu item selected in the left sidebar. The main area displays a table with columns for Channel, On/Off status, Disable Negative Voltage, and Status. Channel A1 is the only one with a power status icon.

Channel	On	Off	Disable Negative Voltage	Status
A1	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A3	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A4	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A6	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A7	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A8	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A9	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	
A10	<input checked="" type="radio"/>	<input type="radio"/>	<input type="checkbox"/>	

0 PoC AF camera(s) and 1 PoC AT camera(s) has been connected, 15 PoC AF camera(s) or 11 PoC AT camera(s) can be added.

Apply

## PIR Function Configuration



- > IRIS Button> OSD MENU
- > WHITE LIGHT> ALARM
- > TRIGGER MODE> DVR

- Enter Menu-> System management->Event
- Enable Motion Detection



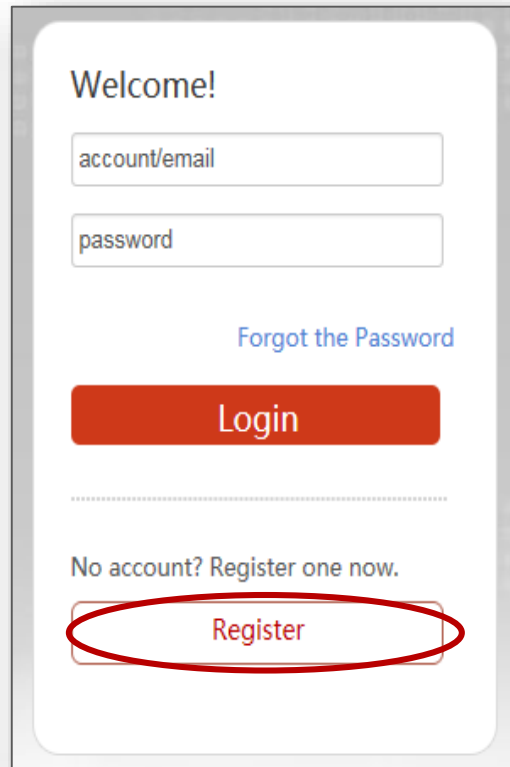
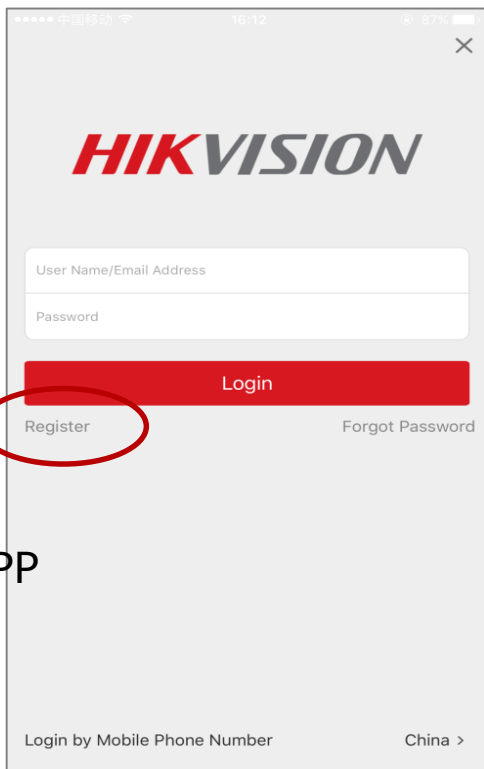
# Chapter Summary

- Device Activate
- Device Password Reset
- Device Upgrading
- Image setting
- Recording setting
- Playback& Search (File export; video lock; smart playback)
- Event setting
- Hik-Connect service
- Enhanced POE, ANR, PIR setting

Part 3

# Mobile App

# 3.1 Hik-Connect Account Register



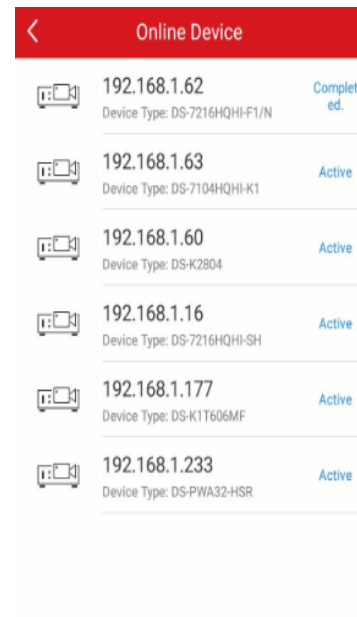
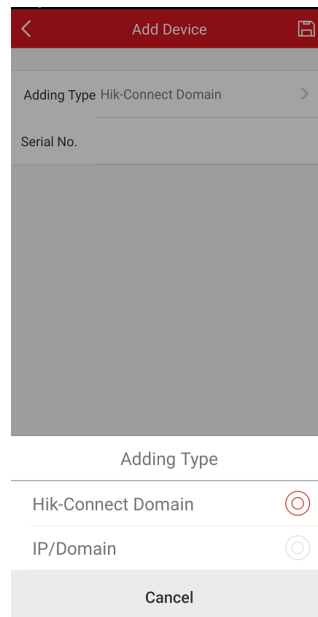
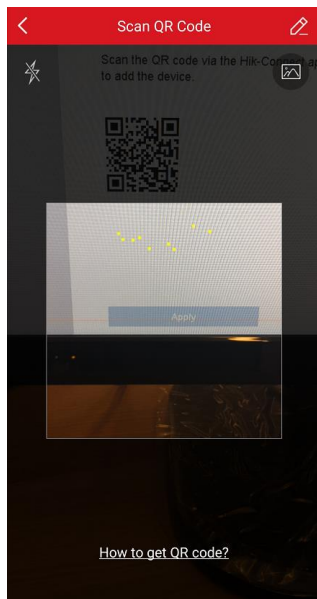
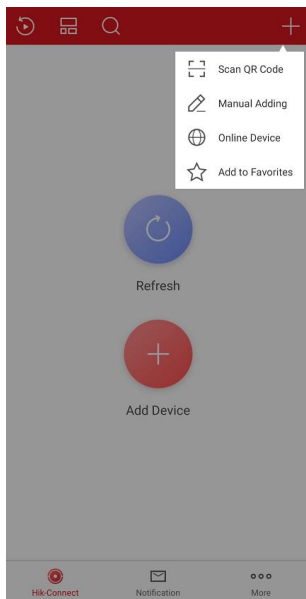
1. Hik-Connect APP

2. Web Portal

# 3.2 Adding Device

## Hik-Connect adding ways

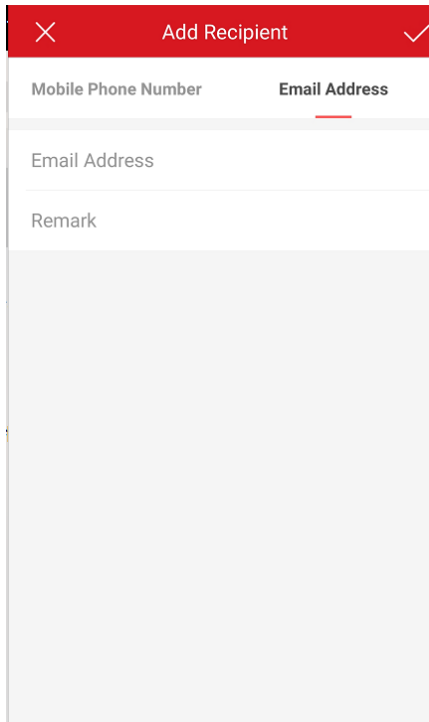
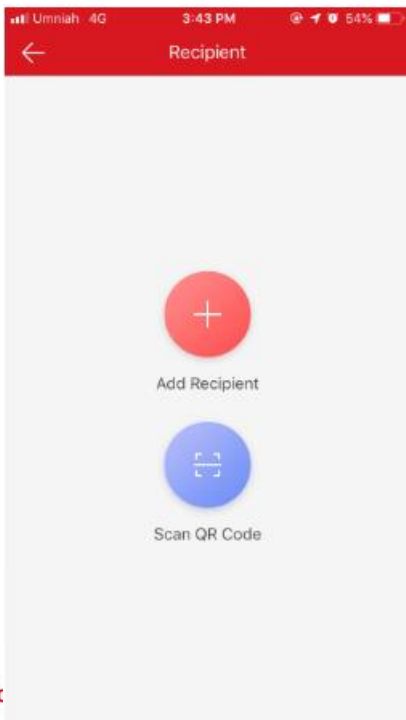
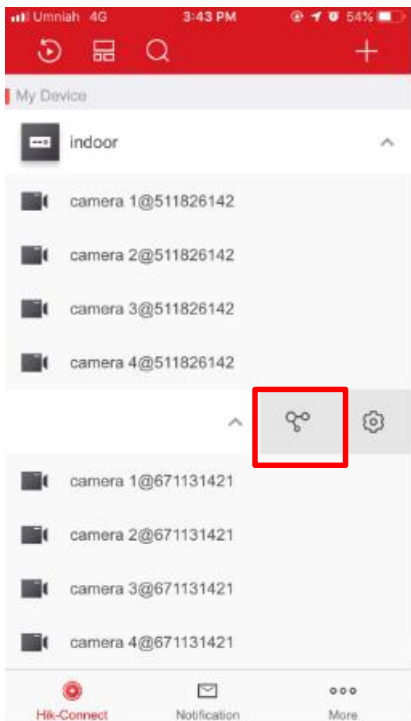
- Enter Menu->Hik-connect->+(The top right corner)
- Scan QR code
- Manual adding
- Add Online Device



# 3.3 Share Function

## Share Device

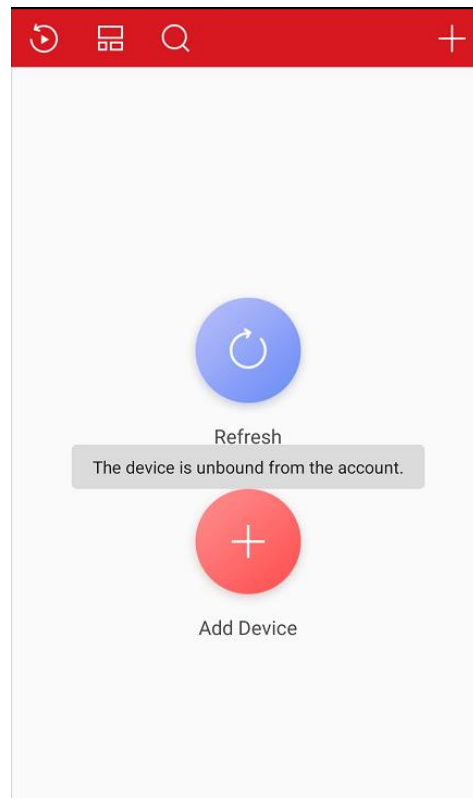
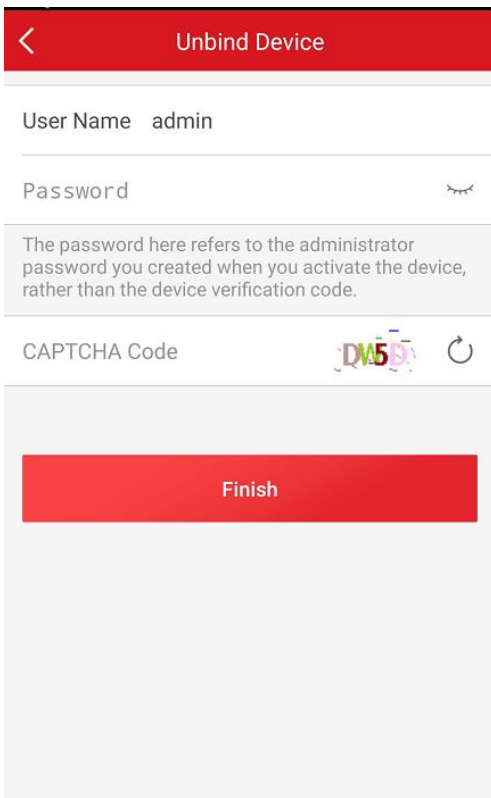
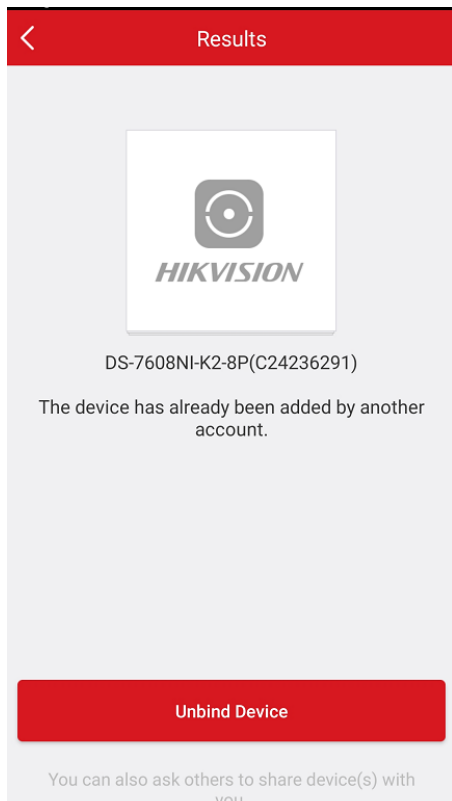
- Enter Menu->Hik-Connect->My device
- Click the button, choice the add recipient or Scan QR code



Scan the above QR code to share the device with me.

## 3.4 Account Releasing/unbind

- Enter Menu->Hik-Connect<sup>+</sup>>
- After you add, you will find the device was added by another account
- Click the "Unbind Device", input the device password to unbind the device



# 3.5 Password Reset

- Click "forgot password", select "verify by Registered Email"
- Open Hik-Connect, click "reset device password", scan the QR code
- Get the Key from the Registered Email


1

Forgot Password

↓

Verify by Registered Email

You'll find a QR code




2

Scan QR code using Hik-Connect

Then your email will receive a verification code

- You need to use the Hik-Connect App for this function.
- How to scan the QR code? Click the "More" on the bottom menu, then click "Reset Device Password" to scan the QR code.



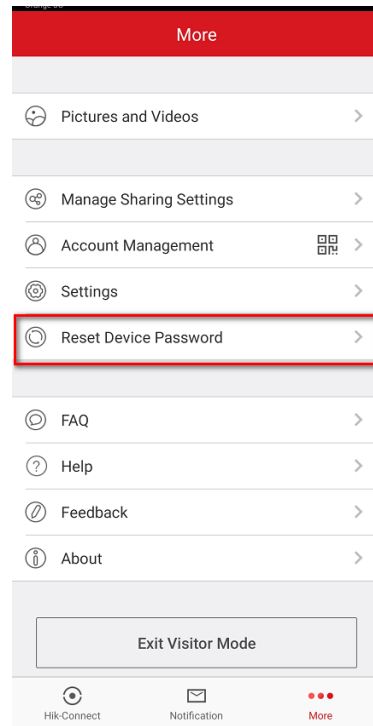
3

Key in the verification code

XXXXXXXX

↓

Reset your password



# Chapter Summary

- Adding device
- Share device
- Unbind device
- Password reset via Hik-Connect



# Thanks!

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# How to

# Password Reset & Device Activation

Video	URL
How to Activate a Camera Using iVMS-4200 Program	<a href="https://youtu.be/A2jCs-j2b_4">https://youtu.be/A2jCs-j2b_4</a>
How to activate IPC on NVR (strong password)	<a href="https://youtu.be/dDt2ECYSeiI">https://youtu.be/dDt2ECYSeiI</a>
How to activate NVR on local GUI (strong password)	<a href="https://youtu.be/_w2oejynjmo">https://youtu.be/_w2oejynjmo</a>
How to Reset Password by Exporting the GUID File on DVR NVR Local GUI	<a href="https://youtu.be/c-ae_64ugzs">https://youtu.be/c-ae_64ugzs</a>
How to Reset Password Using the GUID File on Web	<a href="https://youtu.be/duNY1PGkG7U">https://youtu.be/duNY1PGkG7U</a>
How to Reset Password by Answering Validation Questions	<a href="https://youtu.be/UJBURMNnxAw">https://youtu.be/UJBURMNnxAw</a>
How to Reset Hikvision Device Password via Hik-Connect App	<a href="https://youtu.be/OFVNNkz5IYk">https://youtu.be/OFVNNkz5IYk</a>
How to Do Self-Service Password Reset on Hikvision Device Web GUI	<a href="https://youtu.be/Uy2CZz4u36c">https://youtu.be/Uy2CZz4u36c</a>
How to Do Self-Service Password Reset on DVR NVR GUI 4.0	<a href="https://youtu.be/83qZ8_ciB7c">https://youtu.be/83qZ8_ciB7c</a>

Video	URL
How to download all the images from SD card	<a href="https://youtu.be/afh54RtE6uk">https://youtu.be/afh54RtE6uk</a>
How to factory default an IPC	<a href="https://youtu.be/GtRfpoDxWTs">https://youtu.be/GtRfpoDxWTs</a>
How to configure FTP server to upload captured pictures	<a href="https://www.youtube.com/watch?v=XwOvRf0-V3g">https://www.youtube.com/watch?v=XwOvRf0-V3g</a>
How to set email notification for IPC	<a href="https://www.youtube.com/watch?v=OwE_nLkPUd4">https://www.youtube.com/watch?v=OwE_nLkPUd4</a>
How to configure self signed HTTPS certificate	<a href="https://www.youtube.com/watch?v=w46RvMtJCIw">https://www.youtube.com/watch?v=w46RvMtJCIw</a>
How to add Third Party NAS to Hikvision cameras	<a href="https://www.youtube.com/watch?v=gFV871r28xc">https://www.youtube.com/watch?v=gFV871r28xc</a>
How to setup line crossing in IPC web interface	<a href="https://www.youtube.com/watch?v=LofAMn0ygHM">https://www.youtube.com/watch?v=LofAMn0ygHM</a>
How to upgrade IPC or NVR in web interface	<a href="https://youtu.be/pZhj_K3QD30">https://youtu.be/pZhj_K3QD30</a>
How to Configure Wi-Fi Function of Hikvision Camera	<a href="https://youtu.be/BG6SWk-jKPk">https://youtu.be/BG6SWk-jKPk</a>

Video	URL
How to Configure Custom Search on NVR	<a href="https://youtu.be/_yX1TgIO_uA">https://youtu.be/_yX1TgIO_uA</a>
How to Control PTZ on NVR	<a href="https://youtu.be/4VvkQ9f21MkM">https://youtu.be/4VvkQ9f21MkM</a>
How to Manually Add IPC to NVR	<a href="https://youtu.be/hCG2c0_VgkQ">https://youtu.be/hCG2c0_VgkQ</a>
How to Upgrade IPC on NVR	<a href="https://youtu.be/hXiMTd1YYmI">https://youtu.be/hXiMTd1YYmI</a>
How to Download Footage on GUI 4.0	<a href="https://youtu.be/x1NCT3SJTQk">https://youtu.be/x1NCT3SJTQk</a>
How to Play Back and Clip Footage on GUI 4.0	<a href="https://youtu.be/5zD9cn1d6Eo">https://youtu.be/5zD9cn1d6Eo</a>
How to Configure Smart Search on NVR GUI 4.0	<a href="https://youtu.be/-3NWgACwbHo">https://youtu.be/-3NWgACwbHo</a>
How to Search Event File on NVR GUI 4.0	<a href="https://youtu.be/rcN3F-6CVdo">https://youtu.be/rcN3F-6CVdo</a>
How to Configure Motion Triggering Recording on NVR GUI 4.0	<a href="https://youtu.be/Q-G1tfFvRWk">https://youtu.be/Q-G1tfFvRWk</a>
How to Configure HDD Quota on NVR GUI 4.0	<a href="https://youtu.be/-LN5VHdNcXY">https://youtu.be/-LN5VHdNcXY</a>

Video	URL
How to Configure HDD Group on NVR GUI 4.0	<a href="https://youtu.be/bCYhJQ-9WQU">https://youtu.be/bCYhJQ-9WQU</a>
How to Configure OSD on NVR GUI 4.0	<a href="https://youtu.be/Qtjl8AFnTEQ">https://youtu.be/Qtjl8AFnTEQ</a>
How to Create an Operator User with the permission of Local Live View and Playback on NVR GUI 4.0	<a href="https://youtu.be/T9atDeqEHho">https://youtu.be/T9atDeqEHho</a>
How to Login with Operator on NVR GUI 4.0	<a href="https://youtu.be/ku0Q70L-PMA">https://youtu.be/ku0Q70L-PMA</a>
How to Export and Import IP Channel Parameters on NVR GUI 4.0	<a href="https://youtu.be/_1o1nc5jjPg">https://youtu.be/_1o1nc5jjPg</a>
How to One Touch Add IPC on NVR GUI 4.0	<a href="https://youtu.be/QR6NONosha4">https://youtu.be/QR6NONosha4</a>
How to Lock or Unlock File on NVR GUI 4.0	<a href="https://youtu.be/wYTE-n79Qw8">https://youtu.be/wYTE-n79Qw8</a>
How to Operate Synchronous Playback on NVR GUI 4.0	<a href="https://youtu.be/B8Y0ztCWVio">https://youtu.be/B8Y0ztCWVio</a>

Video	URL
How to Configure Line Crossing Recording on NVR GUI 4.0	<a href="https://youtu.be/Avfv601evKY">https://youtu.be/Avfv601evKY</a>
How to Set Video Recording Schedule on NVR GUI 4.0	<a href="https://youtu.be/Wen02IhmqX0">https://youtu.be/Wen02IhmqX0</a>
How to Set Capture Image Quality and Schedule on NVR GUI 4.0	<a href="https://youtu.be/bYNKPU11C4M">https://youtu.be/bYNKPU11C4M</a>
How to Upgrade NVR Locally	<a href="https://youtu.be/13oT13ZgY1E">https://youtu.be/13oT13ZgY1E</a>
How to Configure Redundant Recording on NVR GUI 4.0	<a href="https://youtu.be/wtf0pvxl0Zg">https://youtu.be/wtf0pvxl0Zg</a>
How to Configure Alarm Input Trigger Recording on NVR GUI 4.0	<a href="https://youtu.be/RkohP04f1fM">https://youtu.be/RkohP04f1fM</a>
How to Activate NVR and Configure Login Unlock Pattern on GUI 4.0	<a href="https://youtu.be/H-yzt5RGRZE">https://youtu.be/H-yzt5RGRZE</a>
How to Change Password of NVR on GUI 4.0	<a href="https://youtu.be/CgErVDGS1Xg">https://youtu.be/CgErVDGS1Xg</a>
How to Configure Alarm Input to Trigger Recording	<a href="https://youtu.be/9IOwVn1sSFE">https://youtu.be/9IOwVn1sSFE</a>
How to Enable Hik Connect on DVR/NVR 4.0 and Add it to Hik Connect APP	<a href="https://youtu.be/HdV-ukz0qlA">https://youtu.be/HdV-ukz0qlA</a>

Video	URL
How to Disable Analog Channels	<a href="https://youtu.be/efJ-HMekbf8">https://youtu.be/efJ-HMekbf8</a>
How to Manually Add IP Camera to DVR	<a href="https://youtu.be/goNI9n_Yqfc">https://youtu.be/goNI9n_Yqfc</a>
How to Set POS Function Locally	<a href="https://youtu.be/00XjI0ZAIJA">https://youtu.be/00XjI0ZAIJA</a>
How to Turn off PoC Function	<a href="https://youtu.be/KQQLSIL_9JE">https://youtu.be/KQQLSIL_9JE</a>
How to Configure Alarm Input to Trigger Recording	<a href="https://youtu.be/9I0wVn1sSFE">https://youtu.be/9I0wVn1sSFE</a>
How to Enable Hik Connect on DVR/NVR 4 0 and Add it to Hik Connect APP	<a href="https://youtu.be/HdV-ukz0qlA">https://youtu.be/HdV-ukz0qlA</a>



Video	URL
How to register Hik-Connect account via web browser	<a href="https://youtu.be/z-AL2KtWGMI">https://youtu.be/z-AL2KtWGMI</a>
How to enable Hik-Connect via local GUI	<a href="https://youtu.be/3tT5aGJVn9s">https://youtu.be/3tT5aGJVn9s</a>
How to enable Hik-Connect via web browser	<a href="https://youtu.be/fX00o0IK71s">https://youtu.be/fX00o0IK71s</a>
How to activate device and enable Hik-Connect service	<a href="https://youtu.be/Ilkii381-DE">https://youtu.be/Ilkii381-DE</a>
How to enable Hik-Connect on DVR/NVR local GUI and add it to Hik-Connect APP	<a href="https://youtu.be/sNtB7Cjm7HY">https://youtu.be/sNtB7Cjm7HY</a>
How to upgrade device to support Hik-Connect on web	<a href="https://youtu.be/uW4qcS3SryI">https://youtu.be/uW4qcS3SryI</a>
How to retrieve and change the password of Hik-Connect account on Web	<a href="https://youtu.be/QjbRYnwgrMo">https://youtu.be/QjbRYnwgrMo</a>

Video	URL
How to retrieve and change the password of Hik-Connect account on APP	<a href="https://youtu.be/TAKAQuHVLaW">https://youtu.be/TAKAQuHVLaW</a>
How to change the password of Hik-Connect account on web	<a href="https://youtu.be/LHoP9u9tbtg">https://youtu.be/LHoP9u9tbtg</a>
How to change the password of Hik-Connect account on APP	<a href="https://youtu.be/gaMT_fV6dxI">https://youtu.be/gaMT_fV6dxI</a>
How to Enable Alarm function on Hik-Connect App (V3.0.0.)	<a href="https://youtu.be/sIt2cn4kDno">https://youtu.be/sIt2cn4kDno</a>
How to Receive Shared Device on Hik-Connect App (V3.0.0.)	<a href="https://youtu.be/F4YaX5dA_Fw">https://youtu.be/F4YaX5dA_Fw</a>
How to Share Device on Web and Set the Permission of the Shared Device in Batch	<a href="https://www.youtube.com/watch?v=A_mXleTgvas">https://www.youtube.com/watch?v=A_mXleTgvas</a>
How to Add Device to Hik-Connect via Web Browser	<a href="https://youtu.be/N5Yb7zRXbww">https://youtu.be/N5Yb7zRXbww</a>
How to Use Hik-Connect App	<a href="https://youtu.be/I_LJ9Zw6Phs">https://youtu.be/I_LJ9Zw6Phs</a>

Video	URL
How to Set up Hik-Connect Function in iVMS-4200	<a href="https://youtu.be/y5bbX3oQ9DA">https://youtu.be/y5bbX3oQ9DA</a>
How to Share and Receive Device on Hik-Connect App	<a href="https://youtu.be/cqlyq3yfK0g">https://youtu.be/cqlyq3yfK0g</a>
How to Share Device by Scanning QR Code on Hik-Connect APP	<a href="https://youtu.be/J9daeTZ9-j0">https://youtu.be/J9daeTZ9-j0</a>
How to Unbind Device via Hik-Connect APP	<a href="https://youtu.be/KTmYtfpIQtA">https://youtu.be/KTmYtfpIQtA</a>
How to Upgrade Your Visitor Mode Account to an Official Account	<a href="https://youtu.be/v-6gDXsKBa4">https://youtu.be/v-6gDXsKBa4</a>
How to Use Visitor Mode in Hik-Connect App	<a href="https://youtu.be/YXodyH0EtR4">https://youtu.be/YXodyH0EtR4</a>