USER MANUAL

Model: FR-POE868008N

8CH 8MP POE NVR

POE NVR Quick Operation Guide

◆ Statement:
➢ Thank you very much for purchasing our products. If users have any questions or needs, please feel free to contact us. We will try our best to provide you with technical support
➢ This mobile phone is applicable to all IVR series network video recorders from our company
➢ Our company will update the relevant contents of this manual according to the enhancement or change of product functions without notice

◆ Installation precautions
➢ The equipment shall be kept away from humid, high temperature and strong magnetic environment, and shall be placed in a well ventilated place; When it is used in a thunderstorm area, please install lightning protection device to avoid host failure or hardware burnout caused by lightning
➢ Please use SATA hard disk purchased through regular channels (special hard disk for monitoring)
➢ Please ensure that the host and chassis are grounded to avoid being damaged by static electricity. The power supply cannot exceed the working voltage range of the power supply. It is recommended to use the standard power supply
   During the operation of the machine, please do not forcibly cut off the power directly. First turn off the machine through the system software and then disconnect the power supply to prevent damage to the hard disk
◆ Please read the following operating instructions carefully before use
   Note: this guide takes 16 channel NVR package as an example, and 4 / 8 channels can refer to this guide。

◆ Unpacking inspection
After receiving the product, please check the packing list of all products and accessories, including packaging information。

| List		
SN	Name	QTY
1	4 CH / 8 CH/16CH POE NVR	1 PCS
2	DC52V power adaptor	1 PCS
3	USB mouse	1 PCS
4	POE IP camera	4/8/16PCS
5	15/25 M network cable	4/8/16PCS
6	1.5M network cable	1PCS
7	Screws and waterproof cap	4/8/16PCS
8	User manual	1 PCS

9	Package	1 PCS

◆ HDD installation

➢ Note: please disconnect the power supply of the equipment before installation

➢ Step 1 unscrew the screws around the chassis and remove the upper cover

➢ Step 2 Align the screws on the hard disk with the screw holes on the chassis one by one, and screw them in place

➢ Step 3 connect the data cable and power cable of the hard disk to the motherboard, and connect the other end to the hard disk

➢ Step 4 cover the upper cover plate of the chassis and fix it with screws

◆ Connection Diagram
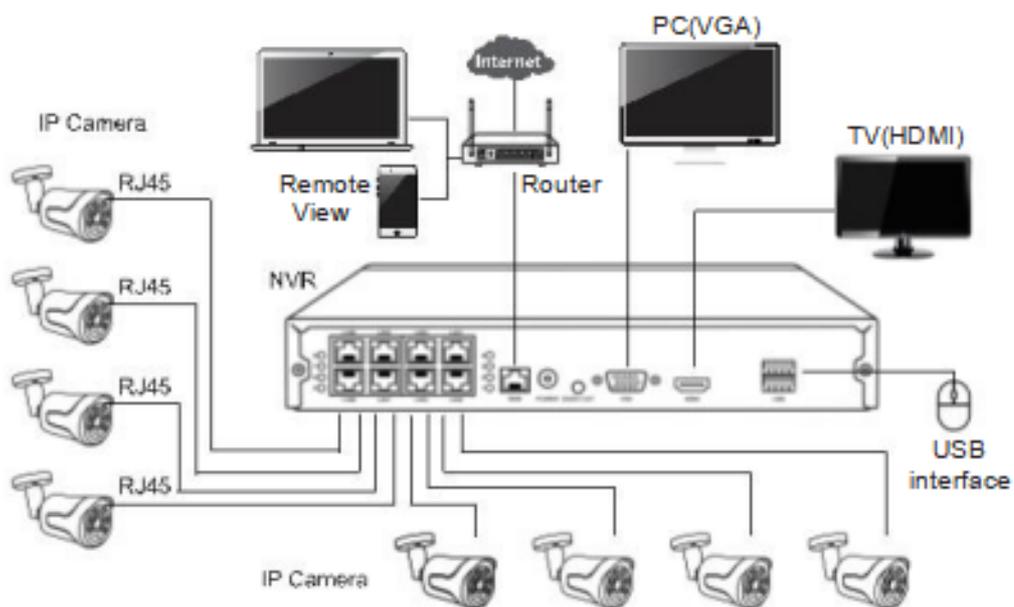
◆ Login
➢ Plug in the power cord, the power indicator lights up, and the video recorder starts up. After startup, the video output defaults to the multi picture output mode. If the startup time is within the recording setting time, the system will automatically start the timed recording function

➢ After normal startup, after completing the wizard operation, the device will automatically enter the search device interface. After the search is completed, click the finish button to return to the preview interface, right-click the mouse to exit the full screen mode, and then click other function keys to pop up the user login interface. The user can log in to the system by entering the correct user name and password in the input box

➢ User name：admin

➢ Password：123456

➢ IP address:192.168.1.188

➢ It is recommended that the customer modify the user password at the first time after logging in to ensure safe use


◆ Add Camera：
➢ Our private protocol camera is plug and play. You only need to connect to the network port, and the image will be displayed without any other operation. Add cameras from other manufacturers (onvif protocol)

➢ Note: to add other cameras, select "channel connection and addition", and add after manual search.

➢ The IP network segments of IPC and IVR should be in the same network segment

➢ After entering the channel connection interface, IVR will automatically search the IPC accessed in the LAN. After the search, add channels as needed, as shown in the following figure


◆ Realtime preview
After the equipment is started normally, it will enter the real-time monitoring screen, as shown in the following figure: among them, the red rectangular box is marked with function shortcut keys, and there will be corresponding text prompt on the mouse finger
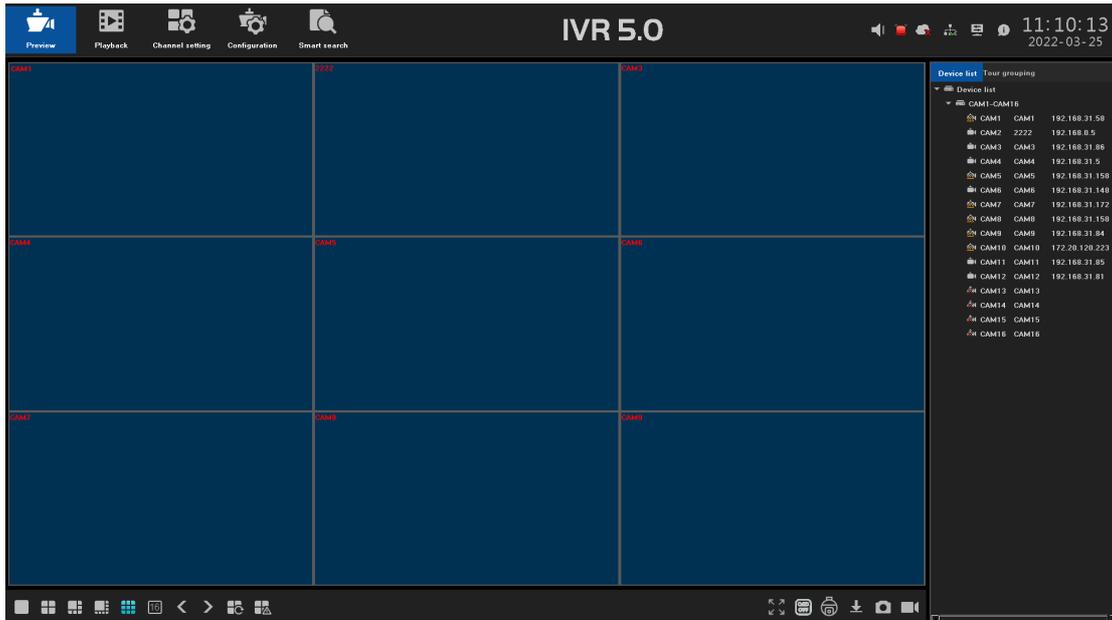
◆   Recording Playback

➢   Click icon to enter recording playback interface, there are local recording, local capture picture, external file in playback mode, default mode is local recording interface(like following picture)
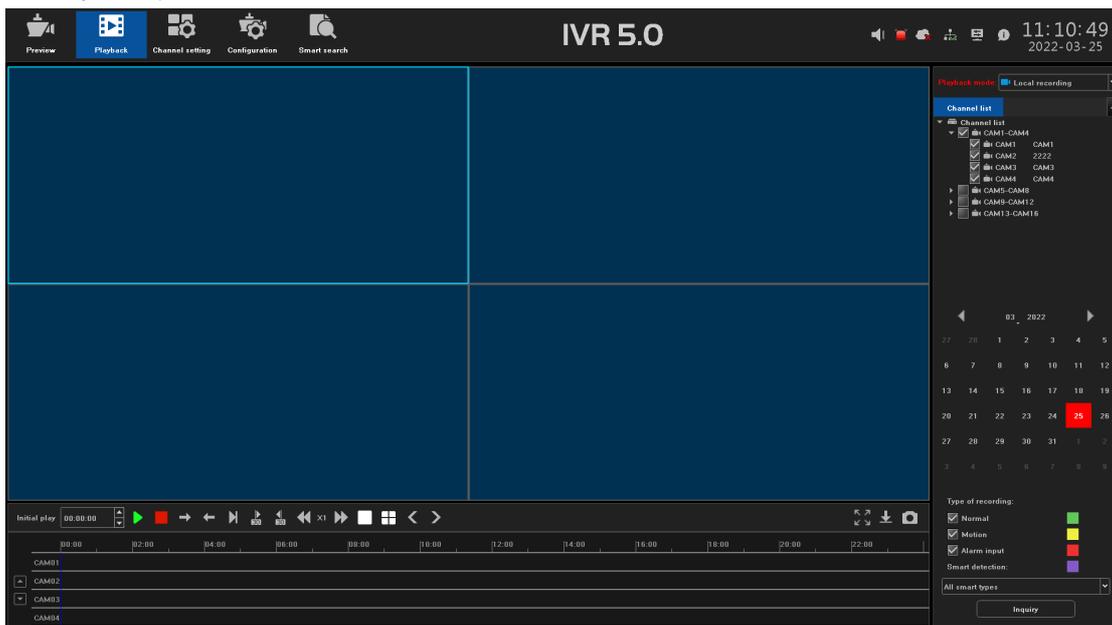
◆   Smart human detection:(IPC needs to support)

➢ IP camera must support this function
➢ Support to detect static and dynamical human of monitoring area.
➢ Advise to set accurate humanoid size range according to different usage scene, it will make detection faster and reduce wrong detection.

Human detection configuration as follows:

- ➢ Detection Mode: only support IP camera with humanoid detection function.
- ➢ Enable: Make humanoid detection enable or disable.
- ➢ Min human pixel: range from 30 to 300, will detect human shape of human pixel more than or equal to minimum pixel(blue frame).
- ➢ Human quality grade threshold value: capture human of threshold value is more than or equal to human quality grade threshold value.
- ➢ Set Detection Area: Press mouse key to click area which would be drawn on picture of channel,whatever direction user hold mouse right key to move to, it will create red frame,if setting is not good, user can erase it and reset it, shielding area setting is same with this.(Note: if shielding area is overlapped on detection area, it would be priority, please refer to following picture.
- ➢
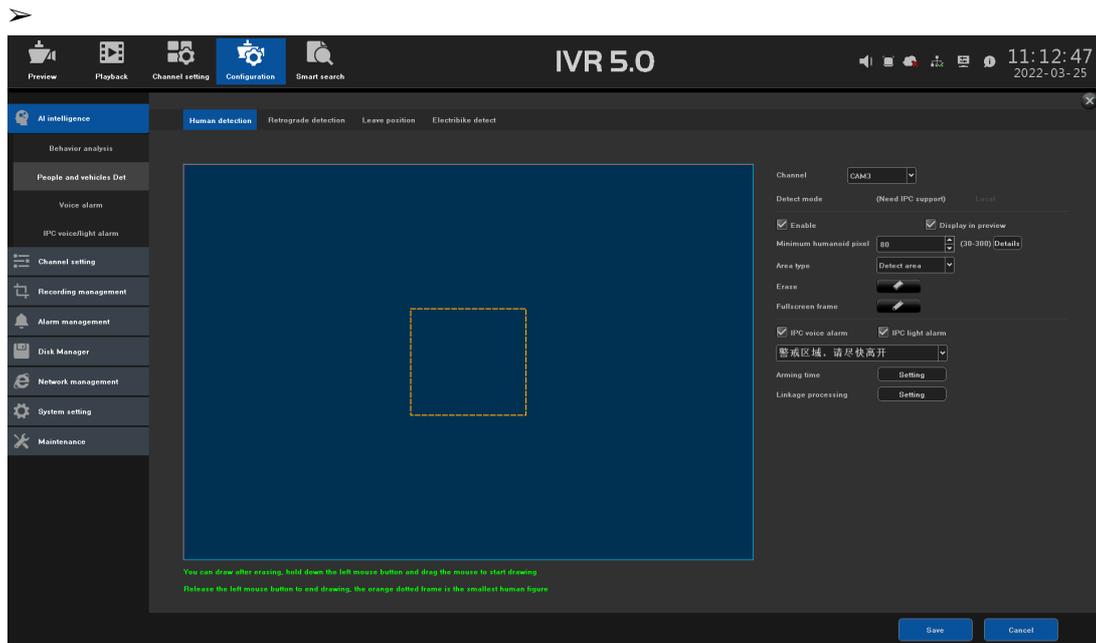
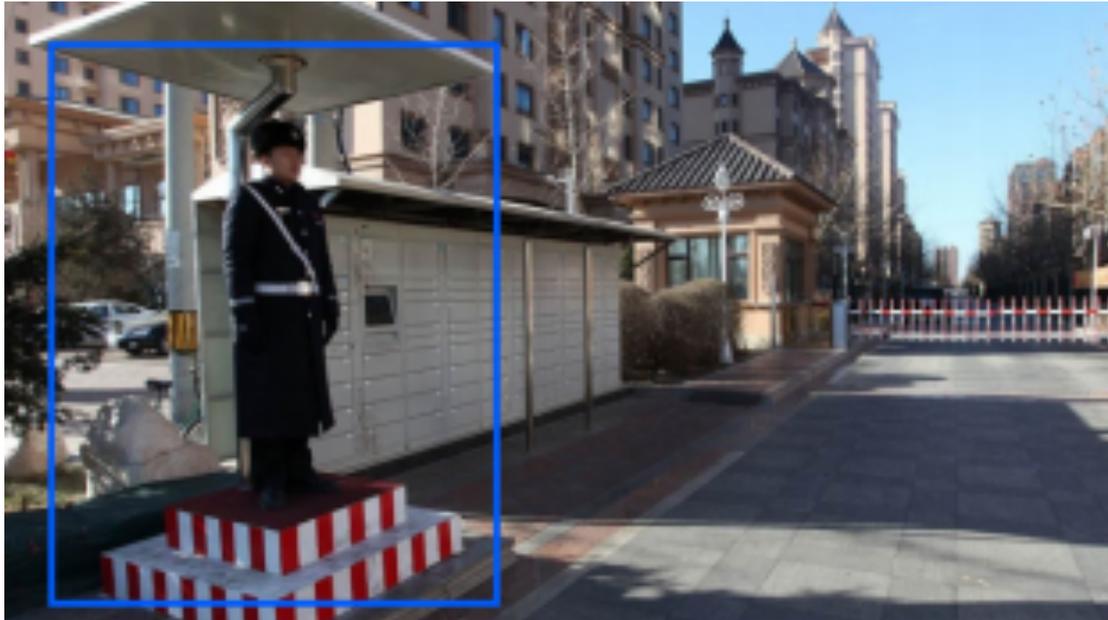- ➢ Arming time and Linkage processing finish human detection configuration.

- ◆ Retrograde detection: (need IPC to support)
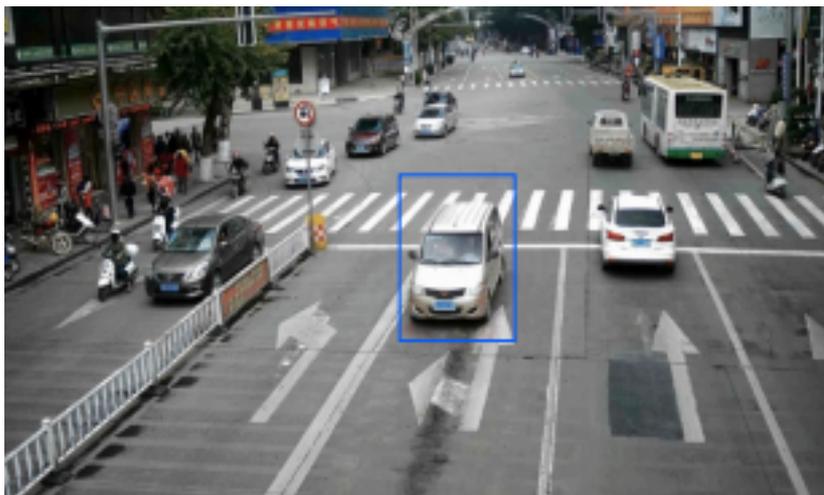
Retrograde detection setting interface as follows:

➢
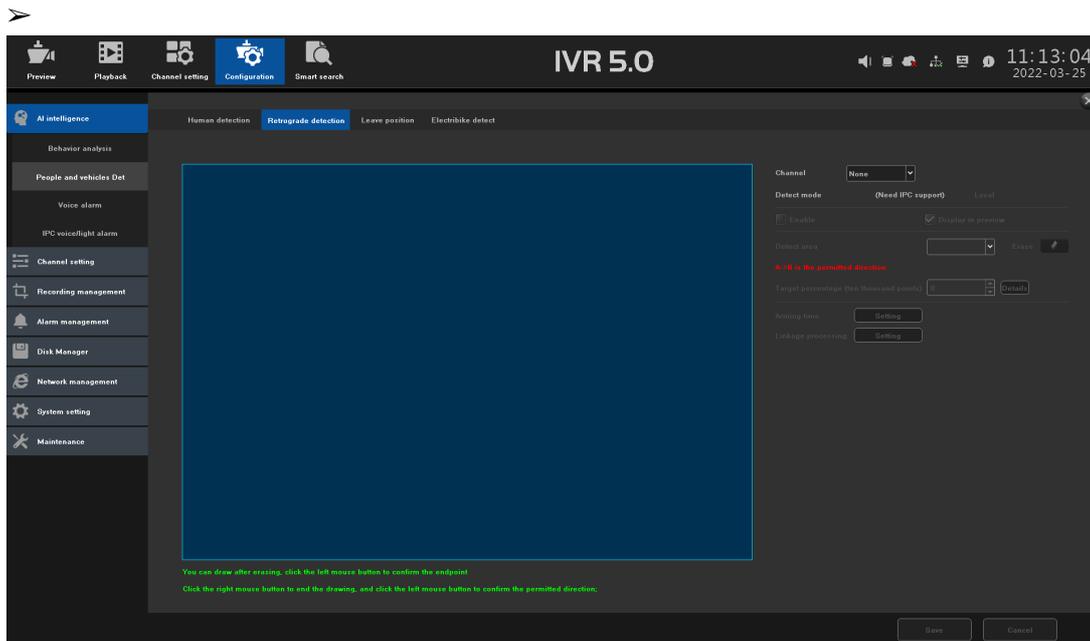
➢ Advise to set accurate detection area according to different usage scene, it will make detection faster and reduce wrong detection.
➢ Enable: enable or disable this function.
➢ Detection Mode:IP camera must support this function.
➢ Display in Preview:User can set rules and detection result whether are displayed in real time preview, as above picture.
➢ Set Area: click" start drawing", then click mouse left key to draw turning line in the area, click mouse right key to end to draw line, it will create a polygon area automatically, max support 10 polygon, min support triangle,after drawing area, it will extend one arrow, can turn 360 degree to choose direction, after confirm direction, then loose mouse key, then click"save", if client draw wrong line, can clear it, then restart again. The center point of area is default A point, another side is B point, when people walk from A to B point, it will trigger retrograde alarm.
➢ Erase draw-line: click "erase" to clear all lines.
➢ Detection Area: Max support 4 detection area setting.
➢ Proportion: To check object proportion percentage on picture, it will filter object which is less than this proportion.
➢ Arming time and Linkage processing operation are same with face detection.
➢ Object type: human,vehicle,all(human and vehicle), after choose type, will count types.
➢ Audio linkage: choose audio linkage, system will link to alarm and broadcast relative hint sound after triggering retrograde detect alarm.
➢ Alarm light: Choose alarm light, after triggering retrograde detection alarm, it will link to alarm light output.
➢ After finish setting parameters, click"save" button, it would be valid.
◆ Absent Alarm:(need IPC to support)

Setting interface for absent alarm as follows:

➢ Enable: set to enable absent alarm function

➢ Detection Mode: IP camera must support this function.

➢ Display in Preview: User can set rules and detection result whether are displayed in real time preview, as above picture.

➢ Setting Area: To use mouse to click area which would be drawed on channel's picture, press mouse left key to extend to draw line, it will create one pcs turning line for each click, mouse right key end to draw, it will create a closed area,, like above picture, blue imaginary line is object proportion size.

➢ Erase draw-line: click "erase" to clear all lines.

➢ Absent time:User can set absent time for people between 0-3600s.

➢ Proportion: To check object proportion size on picture, it will filter object which is less than this proportion.

➢ Detection Area: 4 detection areas can be set.

➢ Arming time and linkage processing are the same with face detection.

➢ Motion detection: Select this option to detect dynamic human figures in the area.

➢ Audio linkage: choose audio linkage, to trigger leave position detection alarm will link to alarm and broadcast relative hint sound.

➢ Alarm light: Select alarm light, after triggering leave position detection alarm, system will link to alarm light output.

➢ After finishing setting parameters, click the [Save] button, the setting will be valid

➢ IE browser:

(Note: please use the system above WIN 7 and the browser is not lower than IE 10. The computer must be in the same network segment as the video recorder)

➢ Use IE browser to enter the IP address of the video recorder in the website bar

➢ Enter the user name and password of the video recorder in the login interface(default user name:admin, password 123456)

➢ Open the video channel of the corresponding video recorder in the real-time preview interface
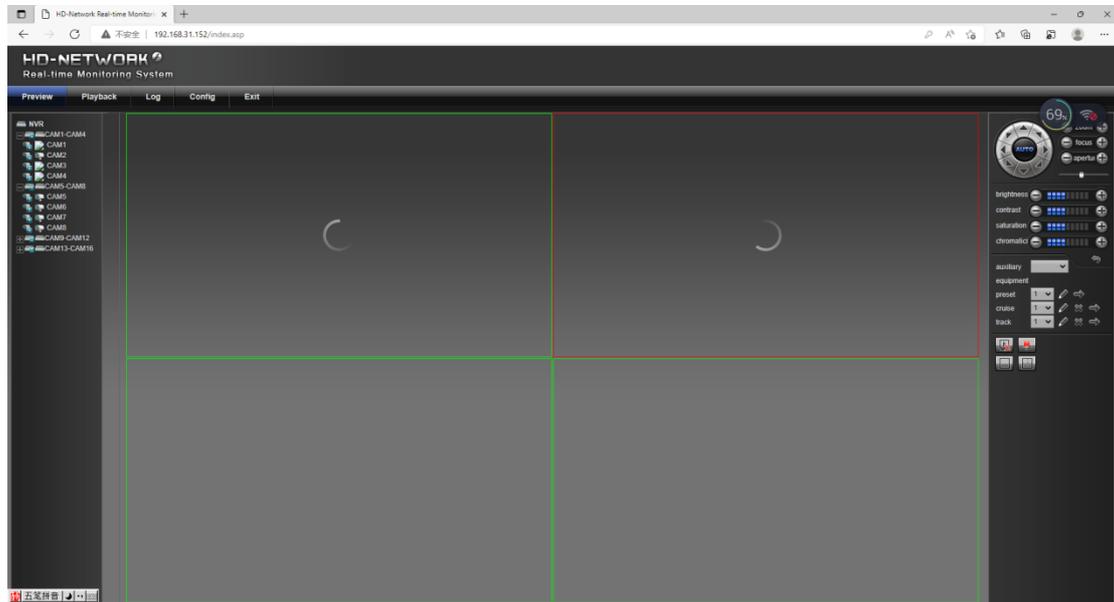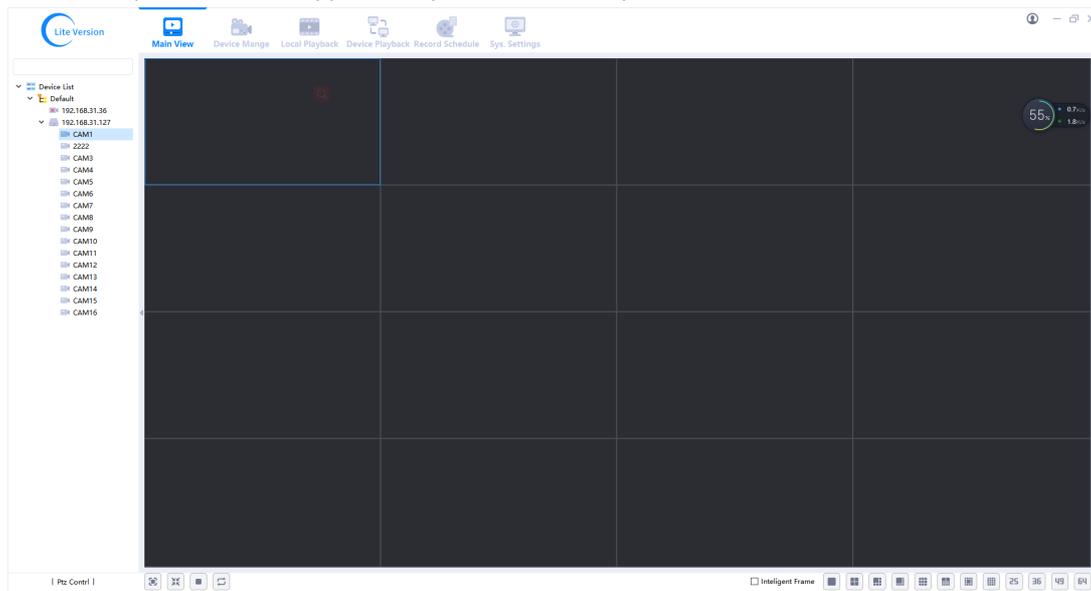
◆ IMS lite：

➢ Download and install IMS Lite client software on the computer

➢ Login IMS, default administrator name:admin, password 123456

➢ Steps of adding device steps configuration management - device management - search device - Quick Add

➢ It is recommended that the customer modify the user password at the first time after logging in to ensure safe use

➢ Video preview Video application-preview-device-Open channel code stream

◆ Mobile monitor:(MEEYE PRO remote connection)

➢ Note: before using MEEYE PRO app for remote connection, please ensure that IVR is connected to the Internet

➢ Step1: to download APP

➢ In the process of IVR boot, click mobile monitoring or click the P2P cloud service button in the upper right corner of the preview interface, or right-click the menu - mobile monitoring, scan the QR code and download MEEYE PRO APP
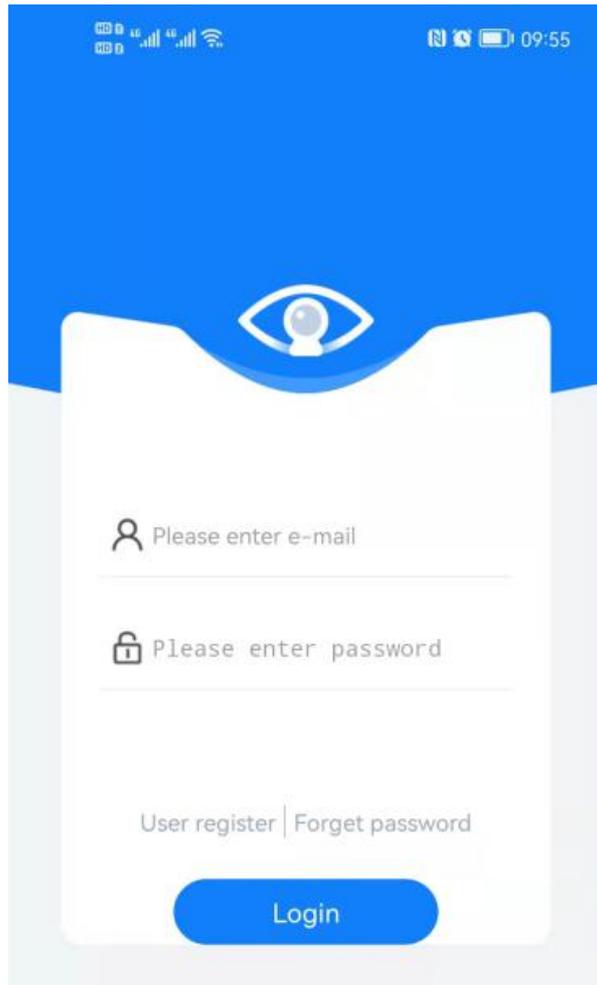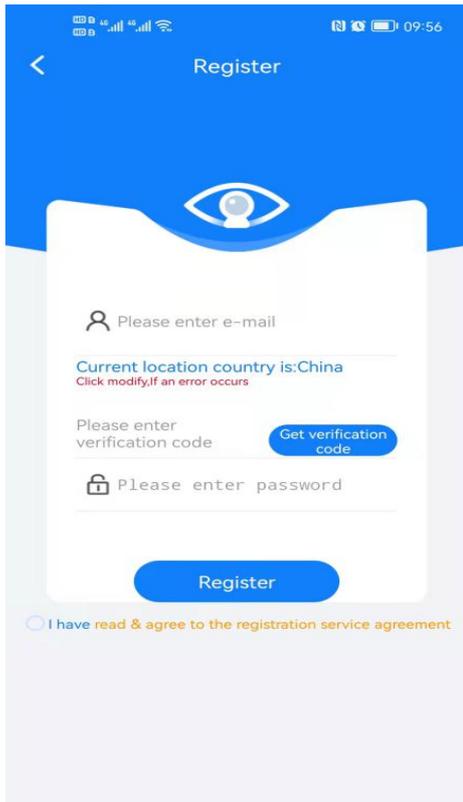
➢ Step 3 To scan QR code in NVR and add device, then preview
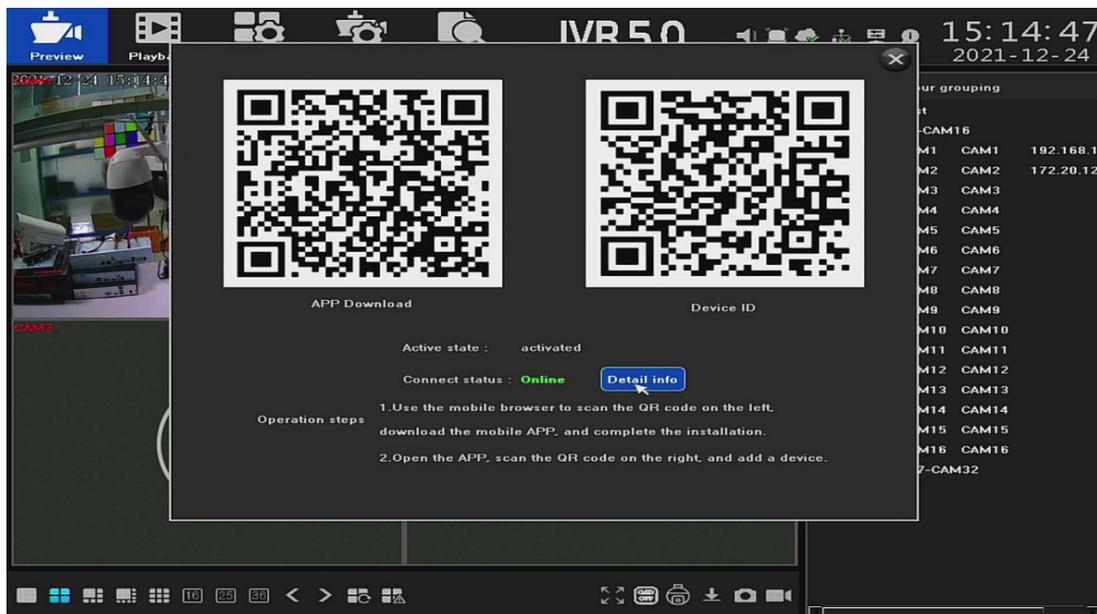
➢ After entering the IVR main interface, you can display the device QR code in the P2P cloud service button in the upper right corner of the preview interface or the right-click menu - mobile phone monitoring. The scan function in the upper left corner of the app interface scans the QR code to add devices