User Manual

ANNKE

Thank you very much for choosing ANNKE.

Our products are supported by the world's first video monitoring manufacturers,

and they have adopted military level of protection.

It is our top priority to ensure your data safety and offer you a satisfactory service.

We strongly recommend that you set up an appropriate password for your device and save it,

also set up security questions and reserved email to ensure you can reset password by yourself.

If you have any questions, please feel free to email us at **support@annke.com**.

Or visit our help center: **help.annke.com**.

Please download ANNKE App, Client software and user manuals from our download center:

https://www.annke.com/pages/download-center

Free call for US and CA, +1 833 717 0187

About this Manual

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website . Please use this user manual under the guidance of professionals.

Legal Disclaimer

REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.
IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits aredesigned to provide reasonable protection against harmful interference in aresidential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Warning Statements:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.

EU Conformity Statement

CE

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2015/35/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information, please see: www.recyclethis.info.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information, please see: www.recyclethis.info.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. The precaution measure is divided into “Warnings” and “Cautions”.

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

	Warnings: Follow these safeguards to prevent serious injury or death.
	Cautions: Follow these precautions to prevent potential injury or material damage.

Warnings

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

Cautions

- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not touch senor modules with fingers. If cleaning is necessary, use clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period, replace the lens cap to protect the sensor from dirt.
- Do not aim the camera at the sun or extra bright places. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the endurance of sensor at the same time.
- The sensor may be burned out by a laser beam, so when any laser equipment is in using, make sure that the surface of sensor will not be exposed to the laser beam.
- Do not place the camera in extremely hot, cold (the operating temperature shall be-30°C to +60°C, or -40°C to +60°C if the camera model has an "H" in its suffix) , dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for operating environment.
- Keep the camera away from liquid while in use.
- While in delivery, the camera shall be packed in its original packing, or packing of the same texture.

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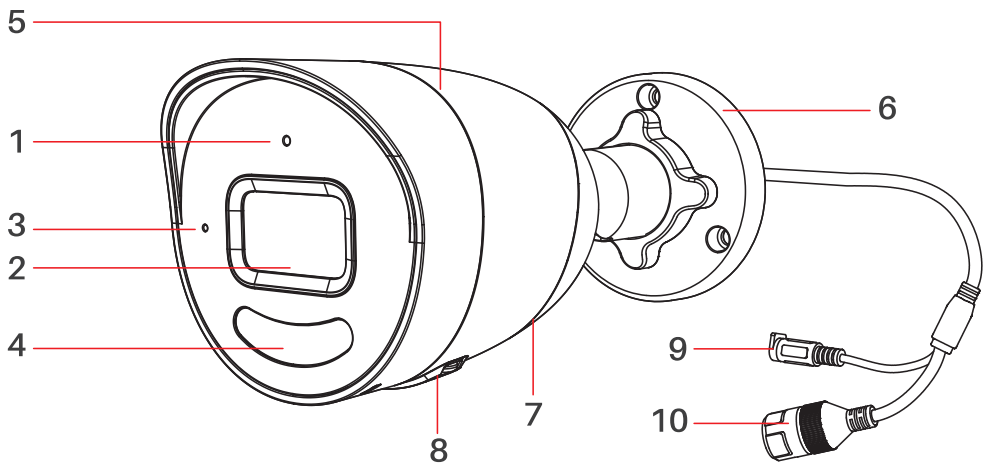
EN

1. Interface Introduction

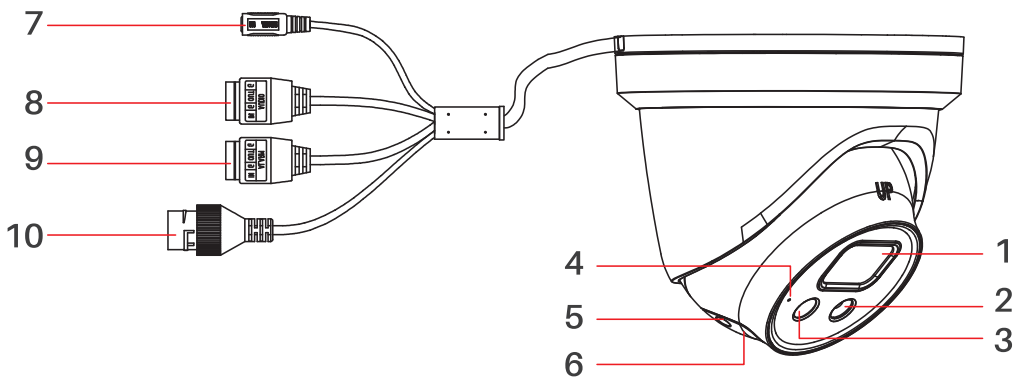
The pictures and descriptions in this manual are for reference only, please refer to the actual product.

Type 1: Bullet camera overview



No.	Description	No.	Description
1	Mic	6	Bracket
2	Lens	7	Audio alarm
3	IR LED	8	Memory card slot/Reset Key
4	Strobe Light	9	DC 12V input interface
5	Metal housing	10	PoE & Network interface

Type 2: Turret camera overview

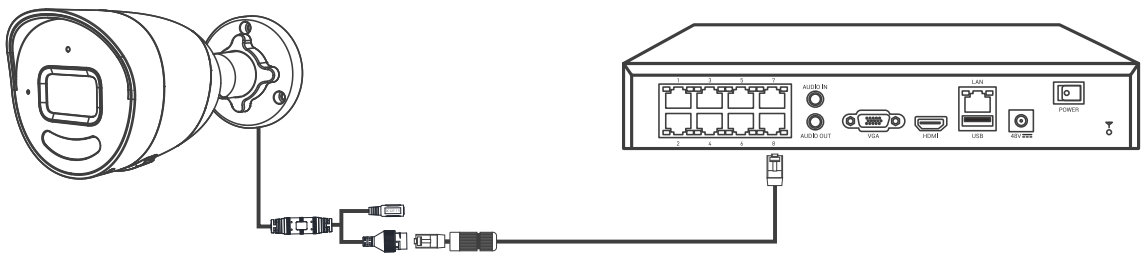


No.	Description	No.	Description
1	Lens	6	Audio alarm
2	Strobe Light	7	DC 12V input interface
3	IR LED	8	Audio in & out
4	Mic	9	Alarm in & out
5	Memory card slot/Reset Key	10	PoE&Network interface

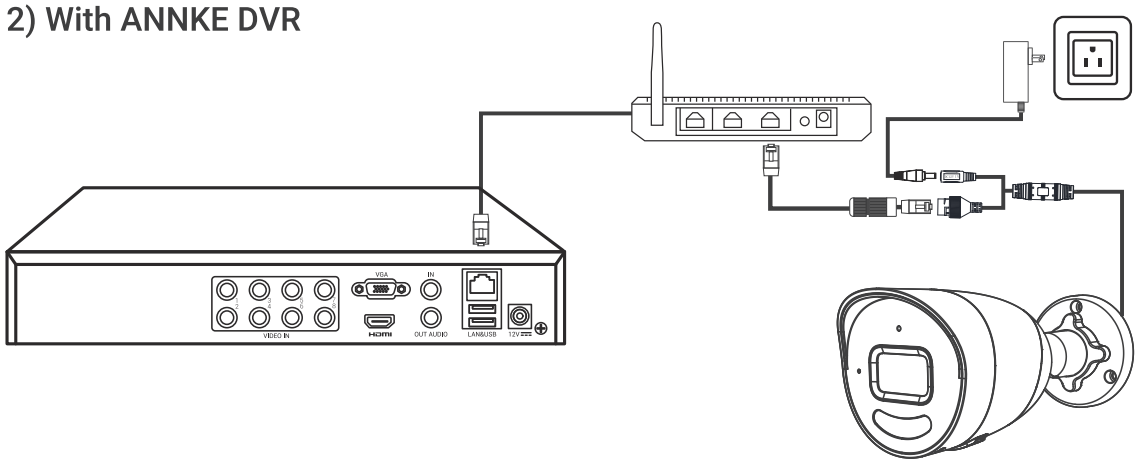
2. Connection method

The IP camera can be used with ANNKE NVR, ANNKE DVR, third party DVR and NVR, and it can also be used alone with an internet connection. And it is recommended to test the IP camera with IE browser alone before install and use it.

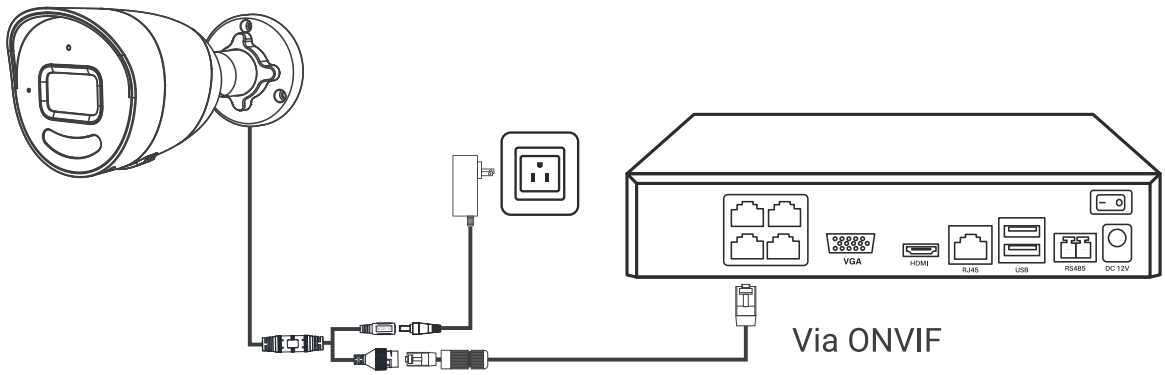
1) With ANNKE POE NVR



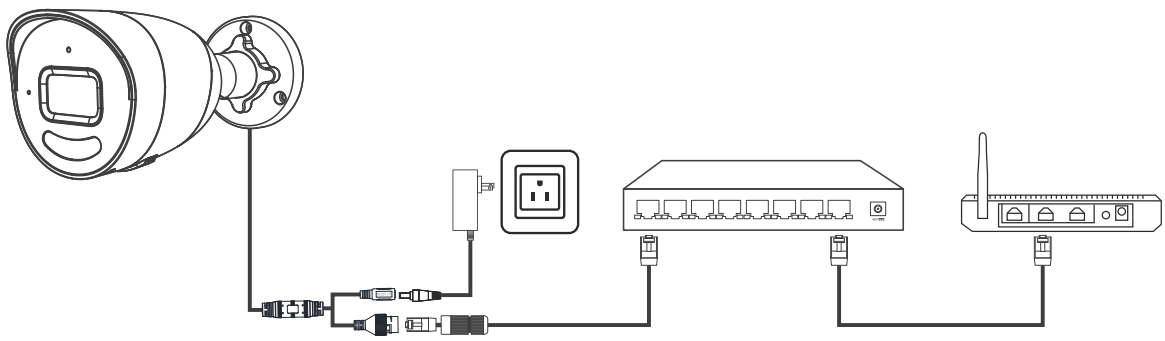
2) With ANNKE DVR



3) With third party brand NVR ;

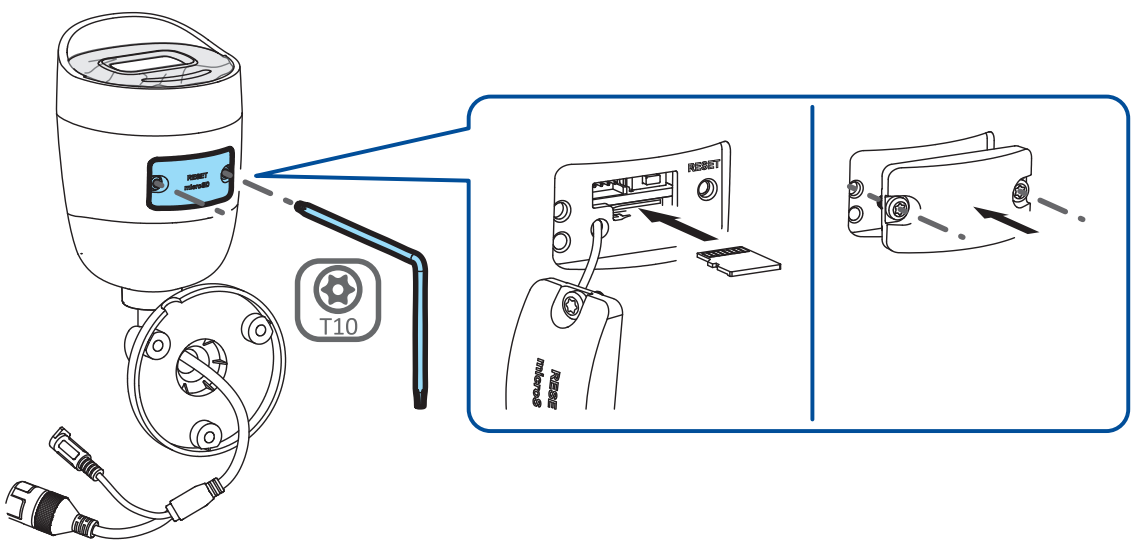


4) Work with Router or Switch;

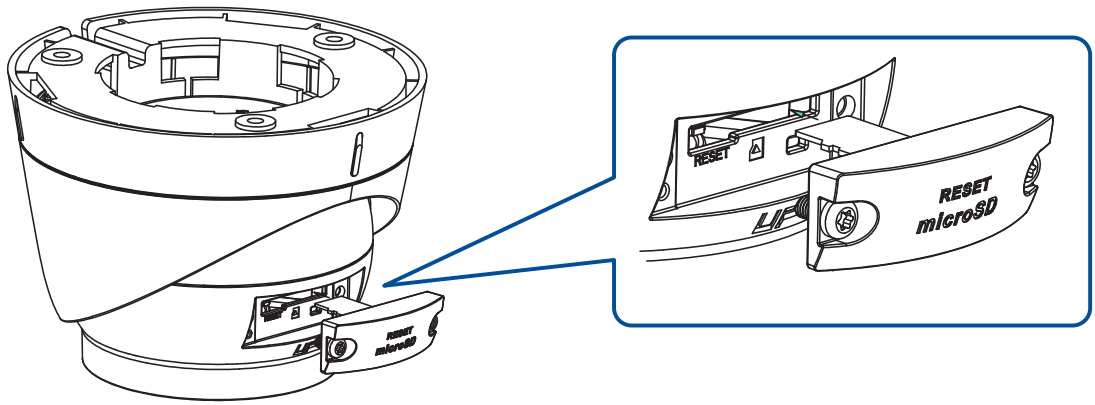


If the device is used with NVR or DVR, it can record to the hard disk of NVR or DVR; if it is used alone, you need to insert a TF card to record, otherwise it can only be previewed and cannot playback. Open the card slot, insert the TF card, and cover the card slot.

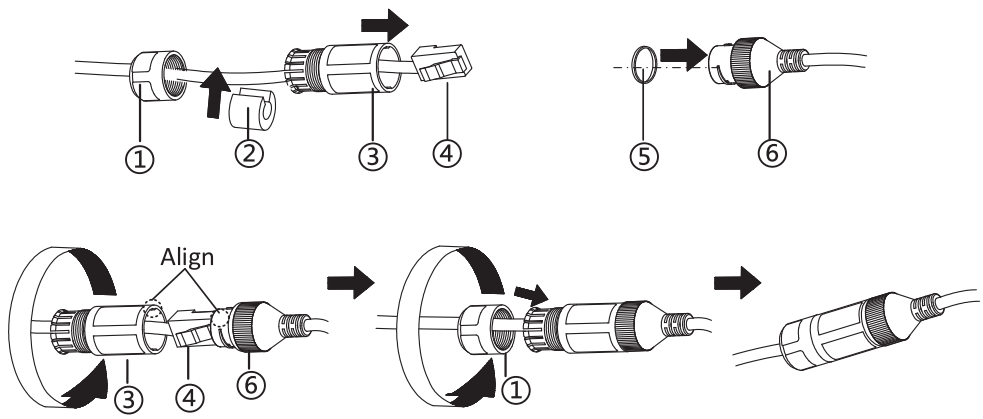
Type 1: Bullet camera overview



Type 2: Turret camera overview



If the camera is installed outdoor, you should use the waterproof accessory or tapes to waterproof the cables. Otherwise the cables might get wet or a short circuit occurs.



Install Waterproof Jacket

Steps:

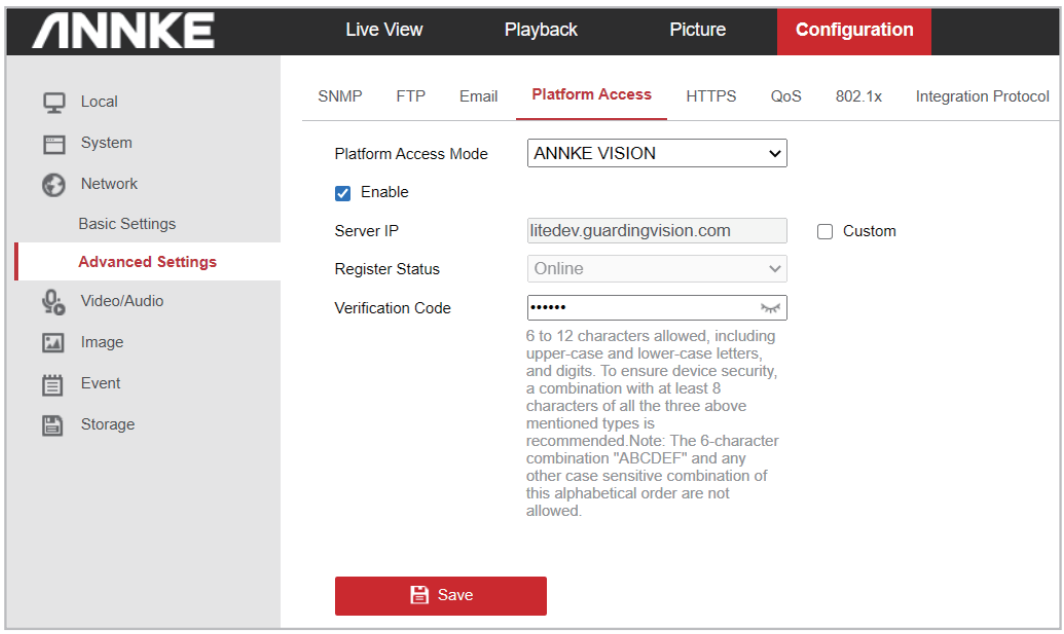
1. Feed the network cable through ① and ③ in order.
2. Fix ② on the network cable between ① and ③.
3. Place ⑤ onto the end of ⑥, and plug the RJ45 male connector into RJ45 female connector.
4. Screw ③ to ⑥ clockwise.
5. Push ② into ③.
6. Secure ① with the ③ in clockwise direction.

3. Activating your device

When you use your camera with ANNKE NVR or DVR, the camera will be automatically activated by the NVR or DVR, and the activation password of the camera is the login password of the connected NVR or DVR. When you use camera alone or with other brands NVRs & DVRs, you need to set an admin password first to activate your camera. You can activate your camera through a web browser, PC software SADP or client Guarding vision, or your mobile phone APP ANNKE Vision, and in Chapter 4 it will be described how to activate the device with SADP for example.

Strong Password recommended– We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your privacy.

If you want to view remotely when using the camera alone, you need to set a verification code for stream encryption, which consists of 6 to 12 digits or letters (ABCDEF is not allowed). You can find the settings at web setting: configuration>Network>Advanced settings>Platform Access.

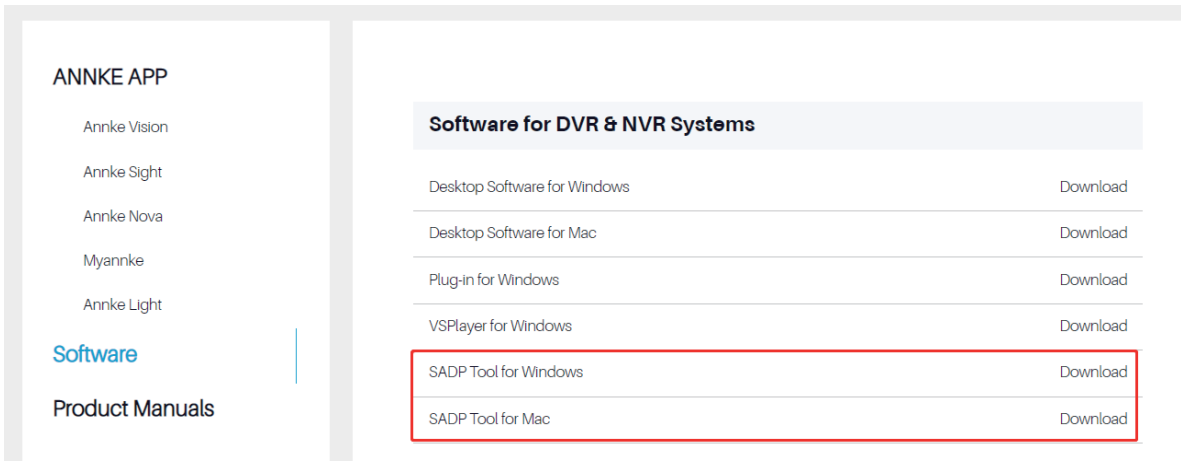


4. Operate IP camera via browser

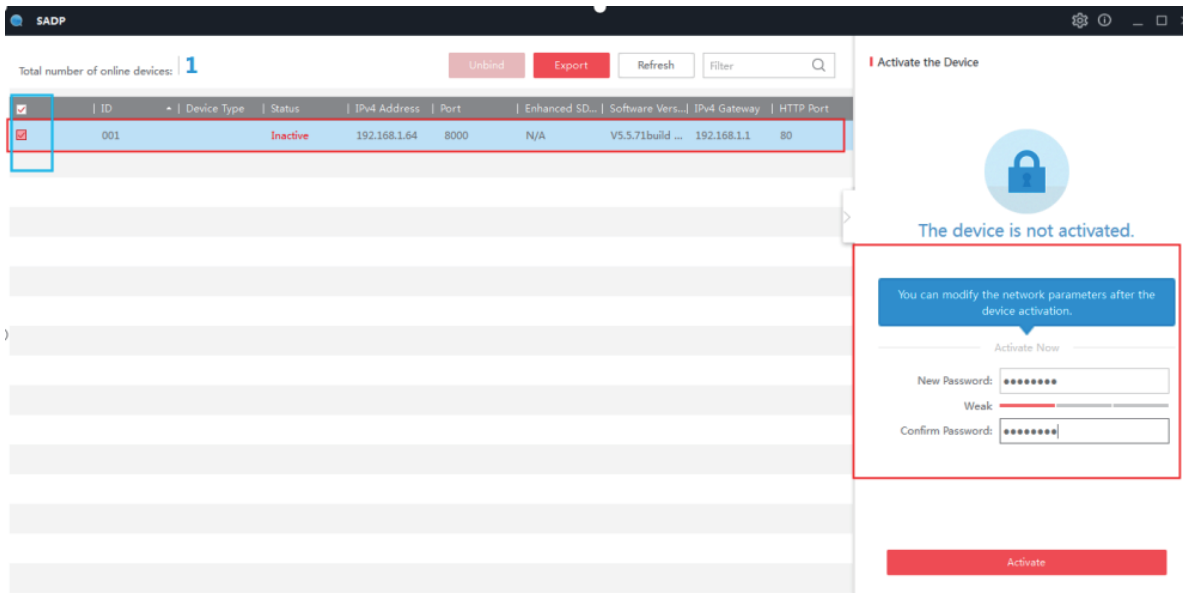
All camera functions can be set via a browser, such as motion detection, flashing alarm light output, audible alarm output, network settings, TF card formatting, etc. We recommend that you set the required functions on the web page before using the IP Camera.

4.1 Operate IP Cameras via IE Browser

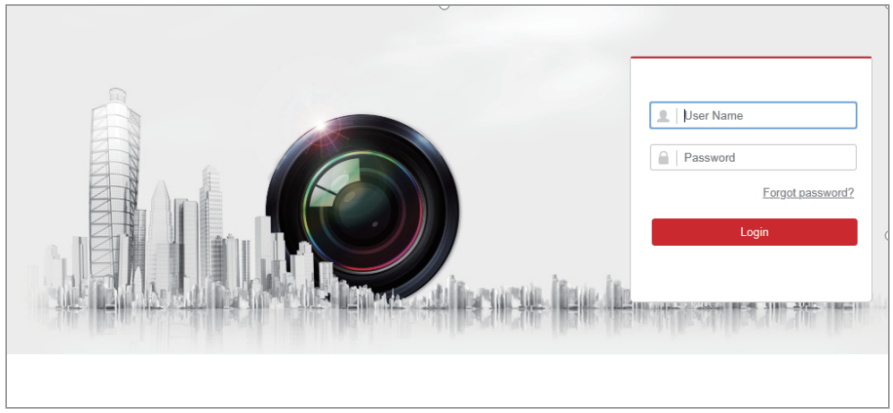
1. Install the SADP software and search the camera. You can download SADP software from our website:
https://www.annke.com/pages/download-center.
("Download-center>Software>SADP Tool For Windows/Mac")



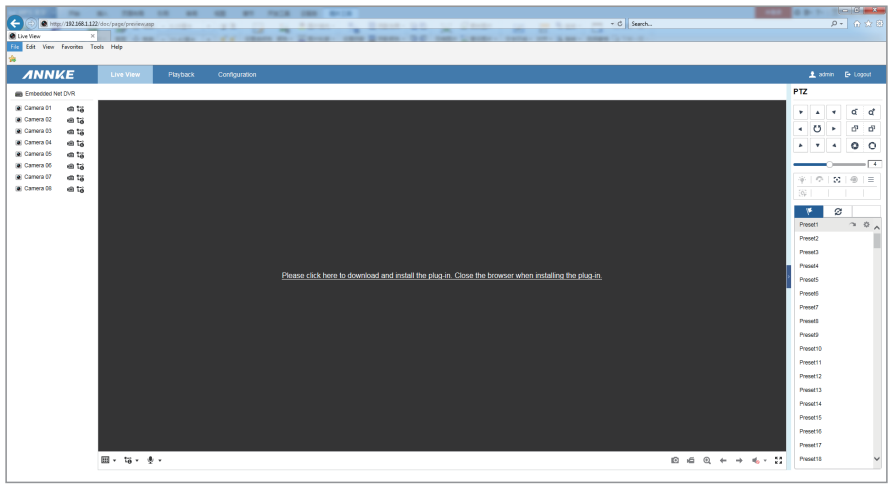
2. Check the box of the camera and then activate the camera by creating a login password.



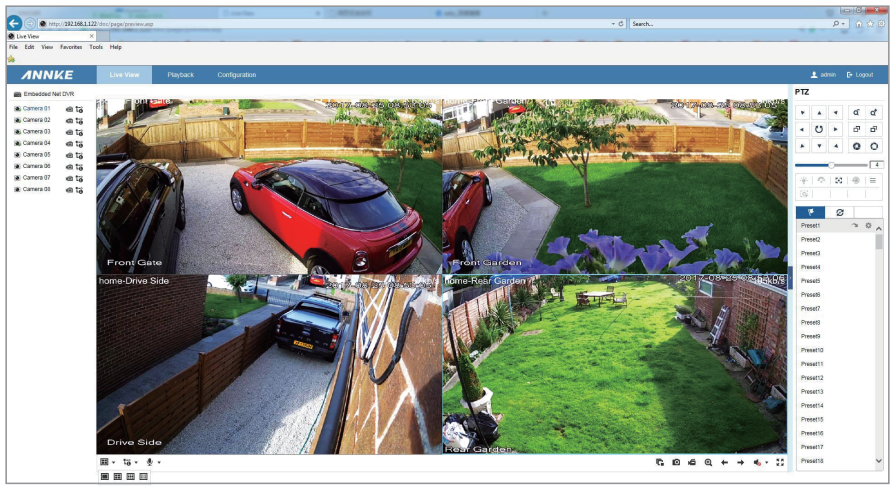
3. Double click the camera's address or you can input the IP address on the IE browser to enter the login page. The default account name is admin and the password is the one you just set up.



4. Download and install the plug-in to view live video and manage the camera. Close the browser when installing the plug-in.

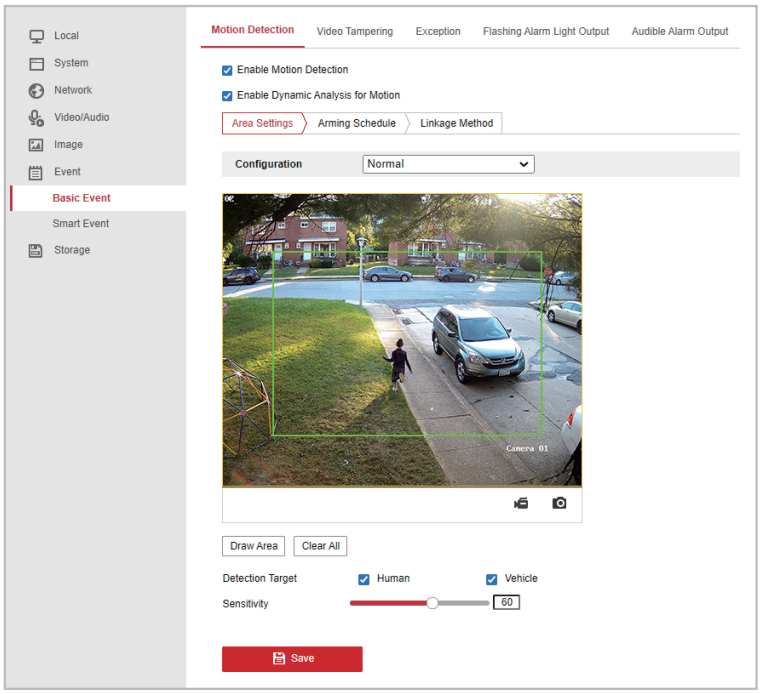


5. Re-open the IE browser and log in the camera. Choose the channel you want to access and set up the camera by clicking Configuration.

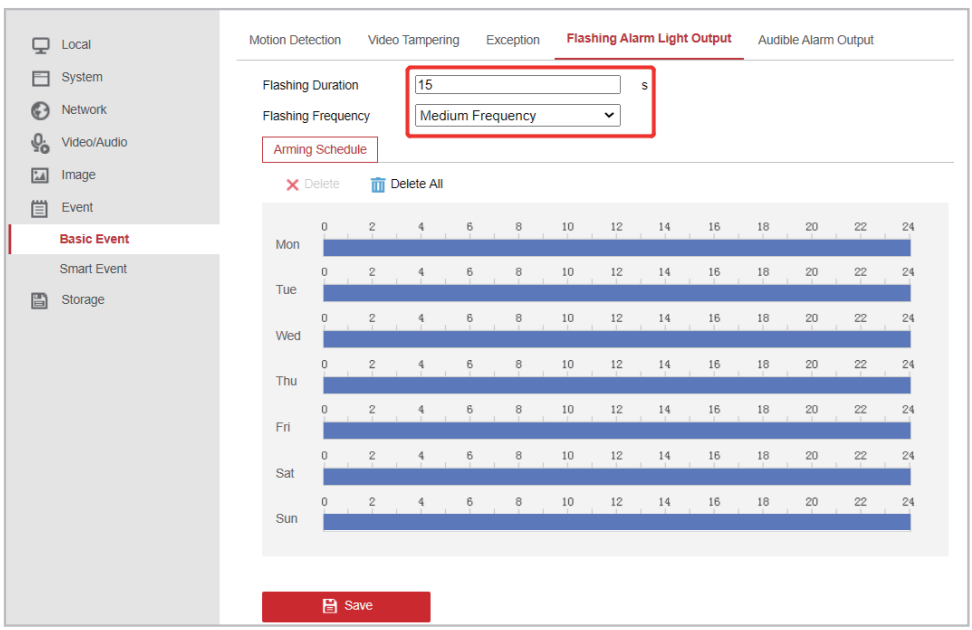


6. Alarm settings.

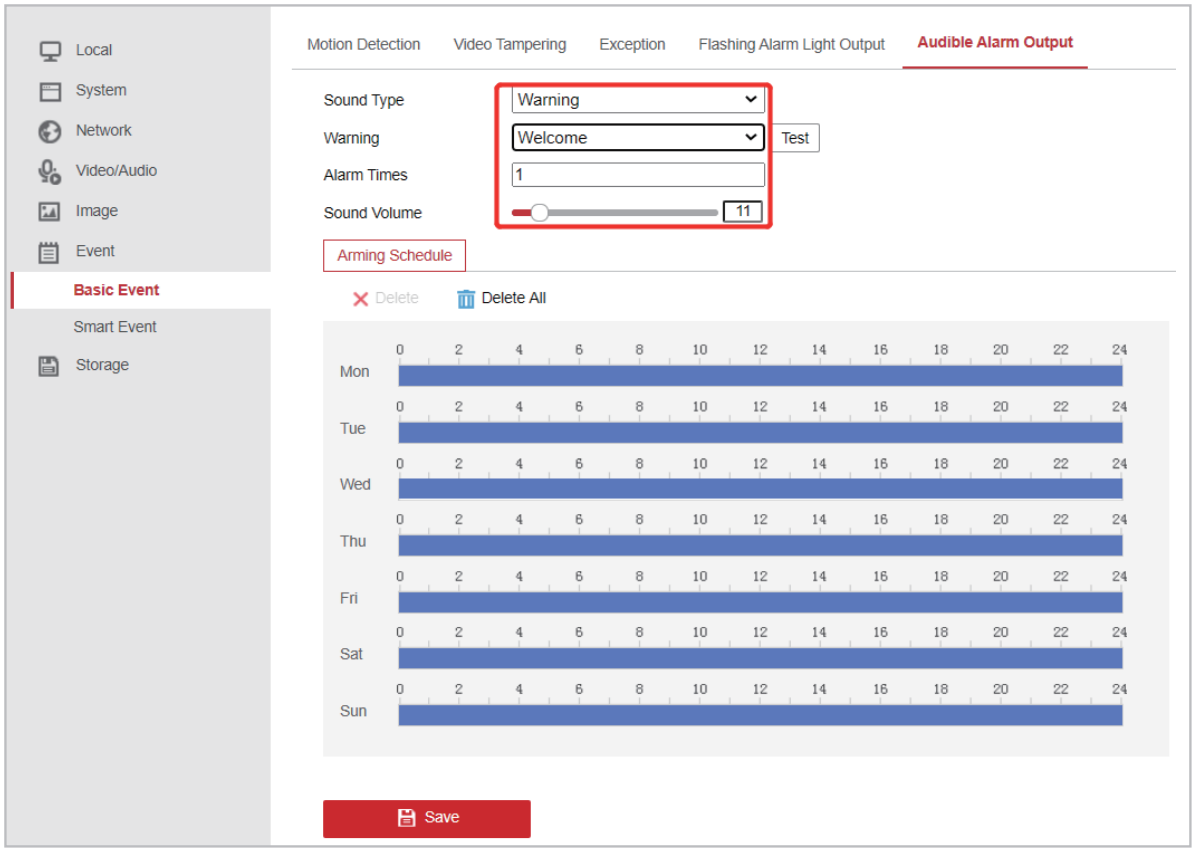
This series device have **deep-learning** algorithms that distinguishes **people and** vehicles from other targets, which help you take security to the next level with accurate, real-time threat detection. You can set the function in web settings: Configuration>Event>Basic event>Motion detection. Enable motion detection, set the area, arming schedule, and linkage method as you need, and then save the settings.



Go to flashing alarm light, you can set the duration and frequency of flashing. When an event occurs, the flashing light on the device can be triggered as an alarm.



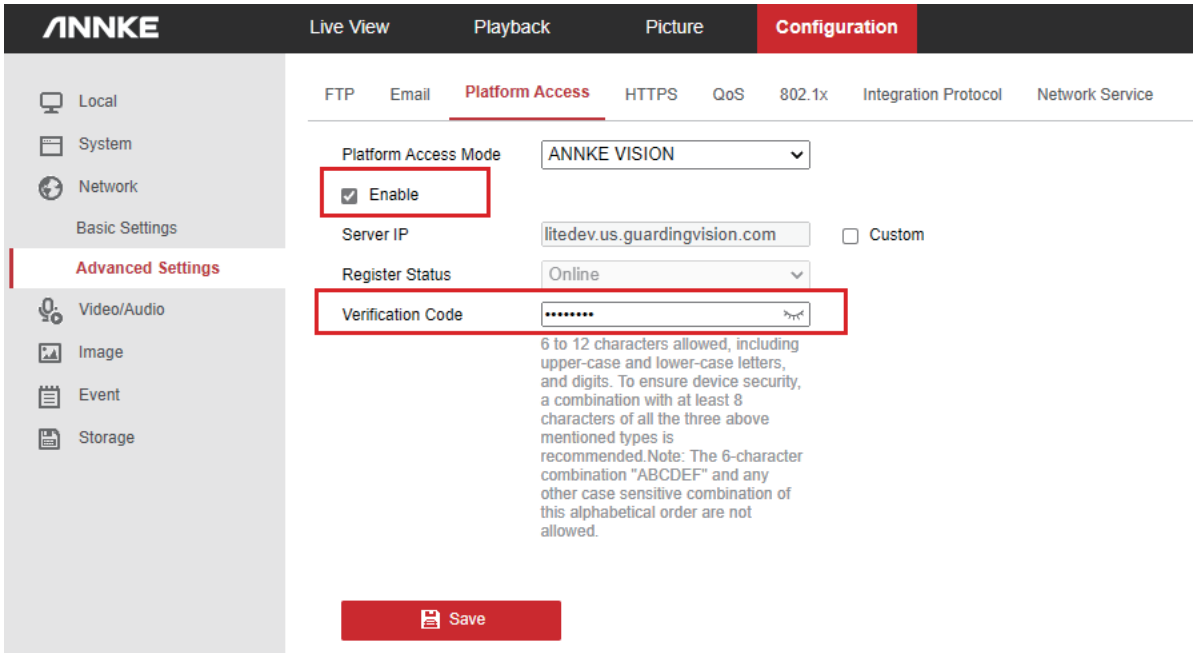
Go to audible alarm, you can set the sound type, alarm times ,sound volume,etc. Custom sounds are also supported. After enabling Audible Warning and setting Audible Alarm Output, the built-in speaker of the device or connected external speaker plays warning sounds when an alarm occurs.



5. Remote live stream via APP ANNKE Vision

Before you start

1. Make sure your camera and mobile device have been connected to the Internet.
2. Download the app ANNKE VISION from Google Play or App Store.
3. Sign up and Login.
(*Note: Please select the correct country/region when you register an account, it cannot be changed once selected.)
4. Please Make sure that the status of P2P shows“Online”, Go to web view of the IPC and enable the P2P (Configuration > Network > Advanced Settings > Platform Access). You also need to set Verification Code (6 to 12 characters allowed, including upper-case and lower-case letters, and digits).

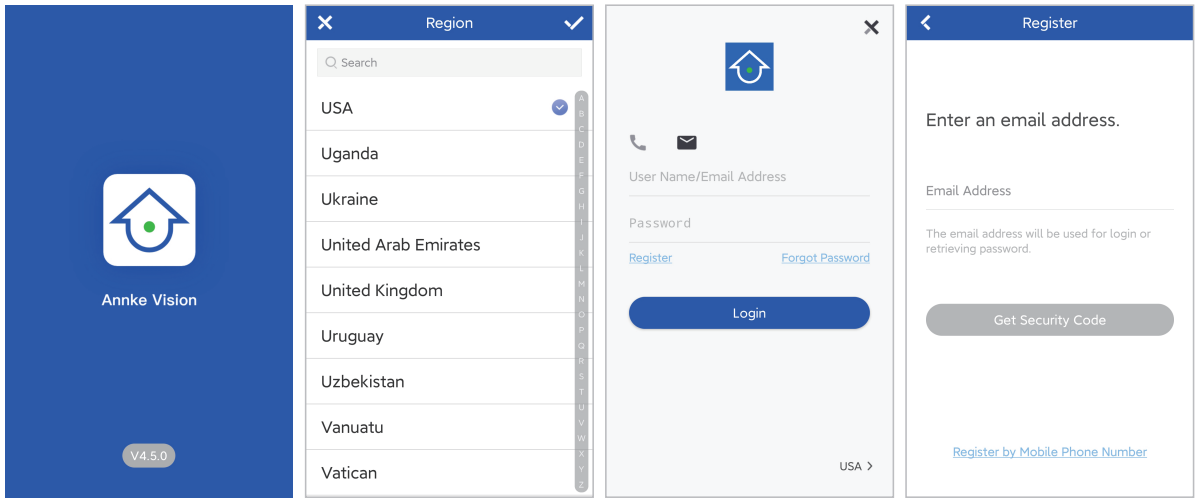


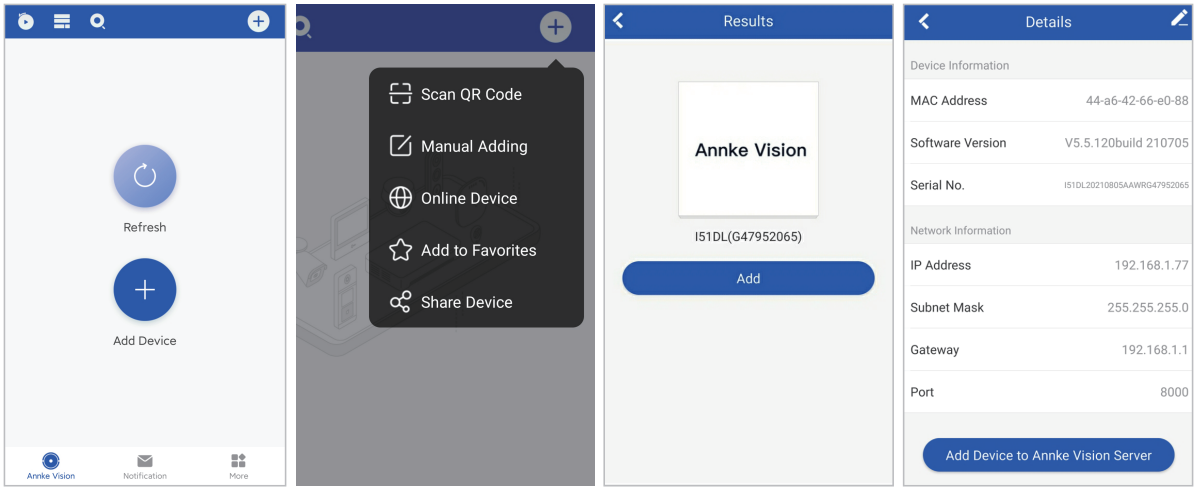
Use IPC Independently

1. Add device to account via "Online Device".(Make sure your phone and device are under the same network)

2. Now you can get the remote live view.

(Please reboot the device if you can't add the device to app,make sure the P2P status is Online)

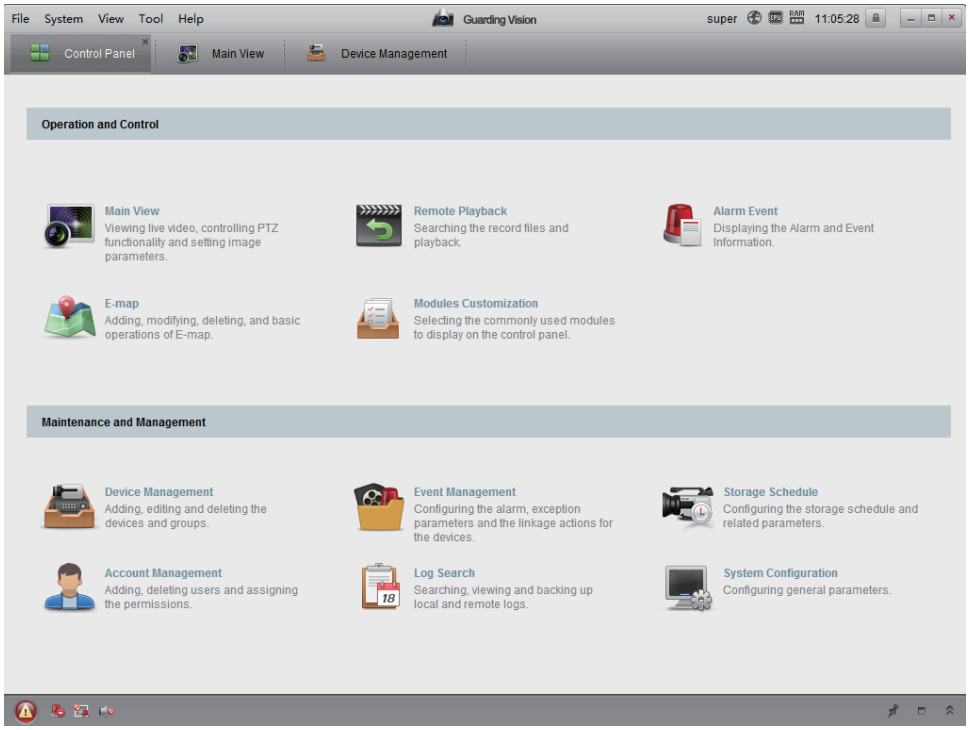




6. Operate IP camera via PC client Guarding Vision

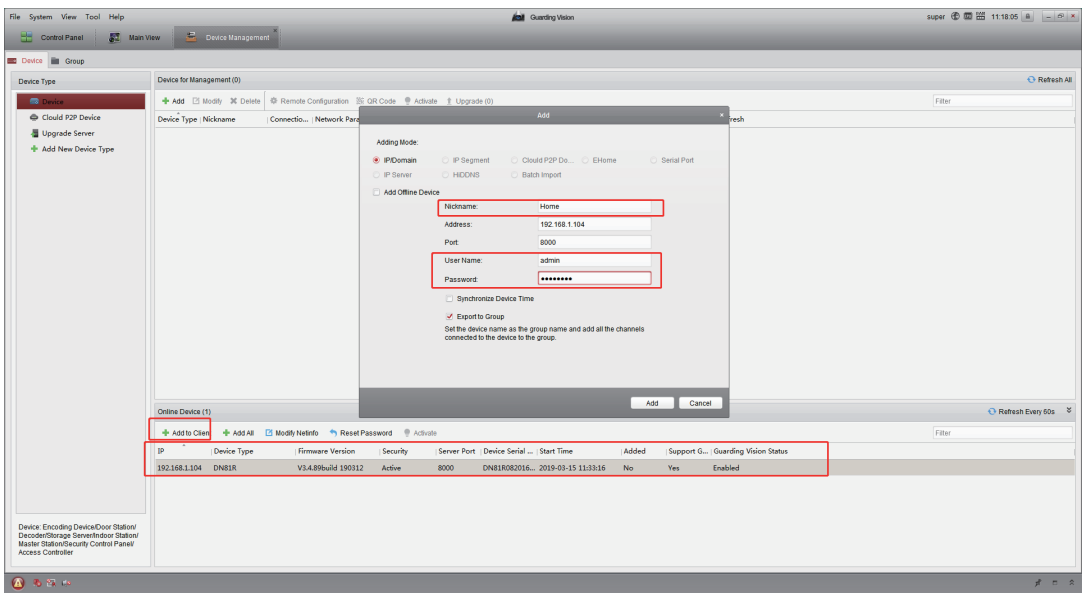
1. Install the desktop software **Guarding Vision** and search the camera.
You can download Guarding Vision from our website:
https://www.annke.com/pages/download-center

2. Launch Guarding Vision software. The control panel and live view interface of Guarding Vision are shown below.



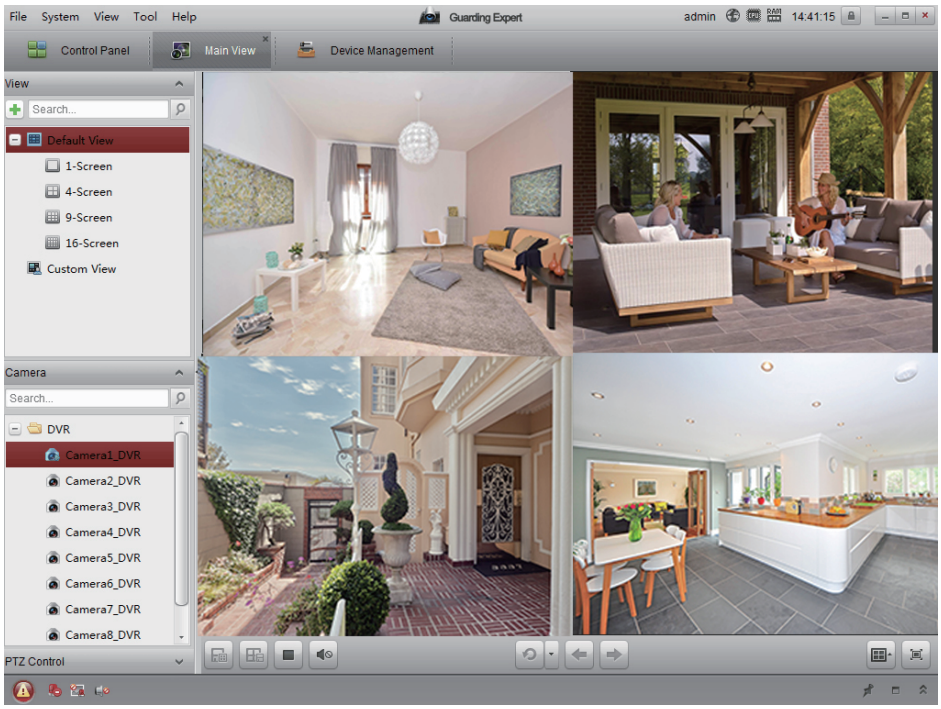
3. Go to Control Panel-Device Management-Device. At the bottom of the screen and in the Online Devices section, the screen will display all devices on the network. Create a password to active the device if the device's status is inactive.

4. Click Add to Client. Input Nickname, User Name and Password (the password is the same as your activated password instead of the verification code). Click Add to add the device to the client software (as shown in the picture below).



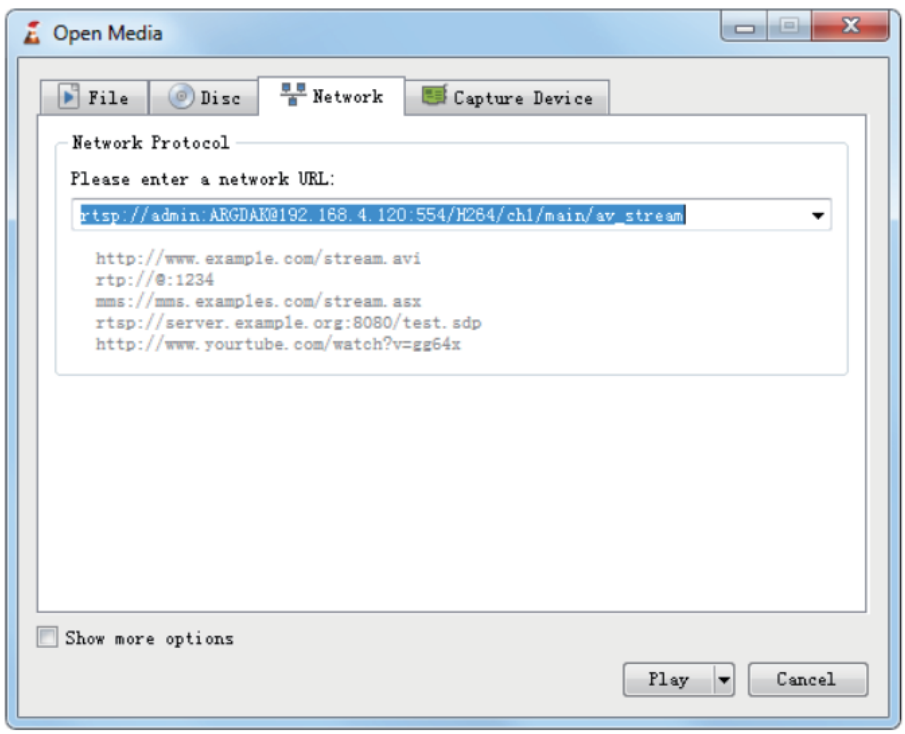
Note: If you want to access the camera remotely via the desktop software Guarding Vision, please choose **Guarding Vision** Device and log in your cloud account to view remote live stream.

5. Go to Control Panel—Main View. If you have added the IP camera, you can get a live view in the screen (as shown in the picture below).



For more information, please press F1 to get user manual.

7. View live stream via RTSP protocol



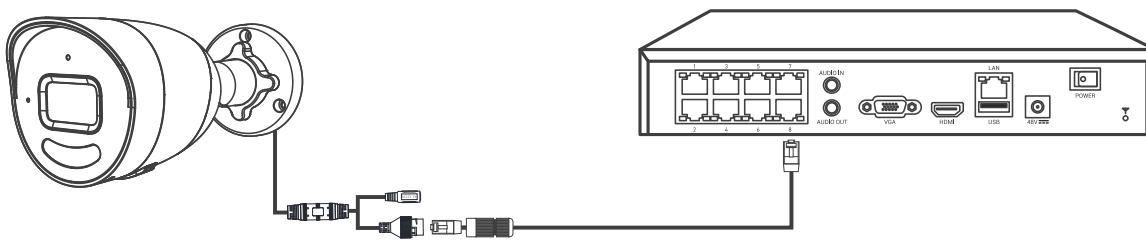
The IP camera supports RTSP protocol. The camera can be accessed via the VLC player, Blue Iris, tinyCam and other software that supports RTSP.
The correct description of RSTP is as below:
rtsp: //[username]: [password]@[ip]: [port]/[codec]/[channel]/[sub-type]/av_stream
User name: admin (default)
Password: The password is the login password used to active your device.
IP: You can get the camera's IP address on the SADP software.
Port: 554
Codec: H264 (H.265)
Channel: ch1 (or the channel which you want to add, for example ch2)
Subtype: main (sub)
Fox example:
rtsp://admin:qwer1234@192.168.1.64:554/H264/ch1/main/av_stream
Common rtsp/onvif address:
rtsp://[your device ip address]:554/Streaming/Channels/101? transportmode=unicast&profile=Profile_1
http://[your device ip address]:80/onvif/device_service

8. Work with ANNKE NVR

1. Please confirm that the resolution of the IP camera is not higher than the resolution that the NVR supports.
For example, the maximum resolution that the N48PAW NVR supports is 8MP. You can only connect the IP camera with up to 8MP resolution.
2. Make sure the NVR is activated and can be used normally.

Operation Step:

1. Use a network cable to connect the IPC to the NVR's POE network port.

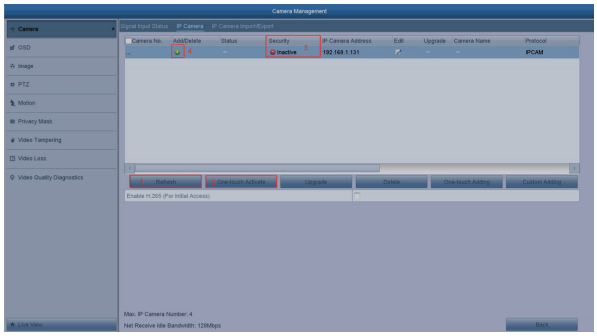


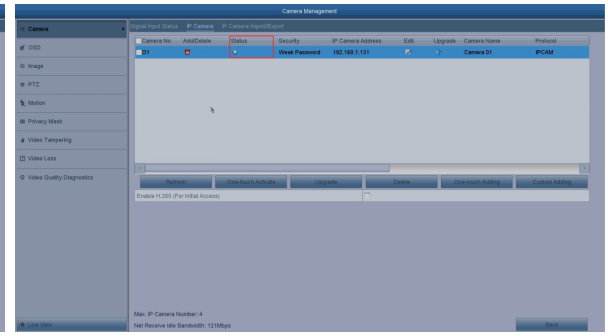
2. Wait for 60~90s, the camera screen can be seen on the monitor.
(Please refer to FQA if there are no pictures after 90s)

9. Work with ANNKE DVR

1. Please confirm that the DVR supports IP cameras. The resolution of the IP camera should not be higher than the resolution that the DVR supports.
For example, the maximum resolution of the DT81DP DVR is 6MP. You can only connect the IP camera with up to 6MP resolution.
2. Make sure the DVR has been activated and connected to the router with a network cable.
3. Connect a DC 12V power supply to the IP camera for power supply, and use a network cable to connect the router and the IP camera, so that the IP camera and DVR are in the same local area network.
4. Enter the DVR menu: Main Menu -> Camera -> Camera -> IP Camera.
5. Click Refresh to refresh the devices in the local area network. If there is an IP camera, it will be automatically refreshed.

If the IP camera is not activated, the security status will be inactive. You can click **One-touch** Active to activate the IP camera. The security status will become active. Click the **Add** button, and the Status will display the IP camera status. The playback button will indicate that it has been successfully added.

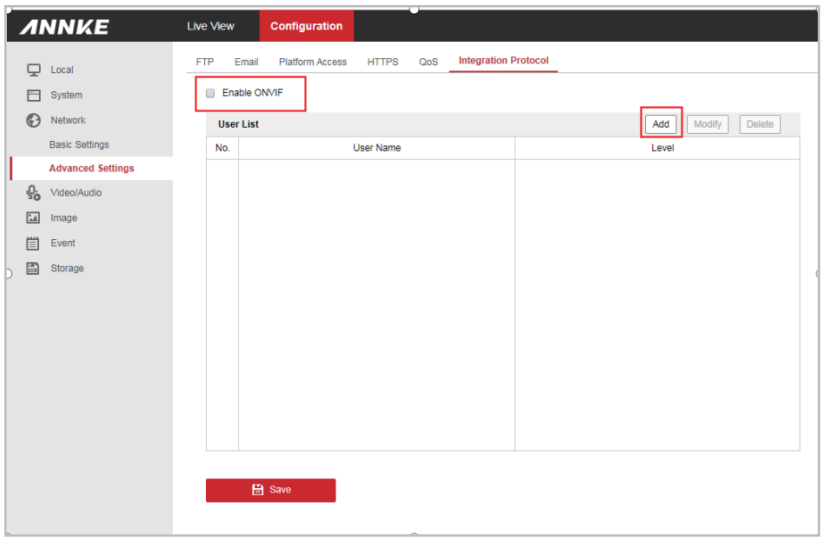


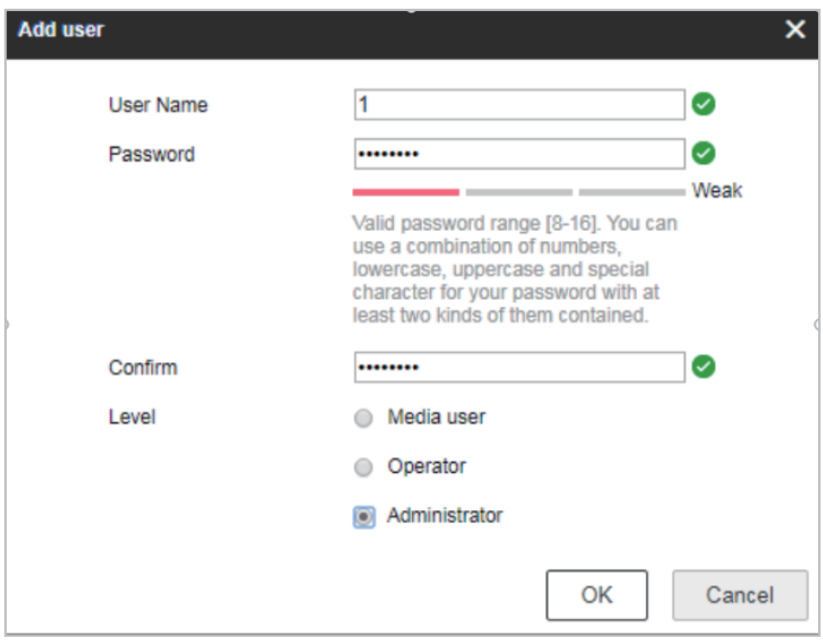


If the IP camera is not activated, the security status will be inactive. You can click **One-touch** Active to activate the IP camera. The security status will become active. Click the **Add** button, and the Status will display the IP camera status. The playback button will indicate that it has been successfully added.

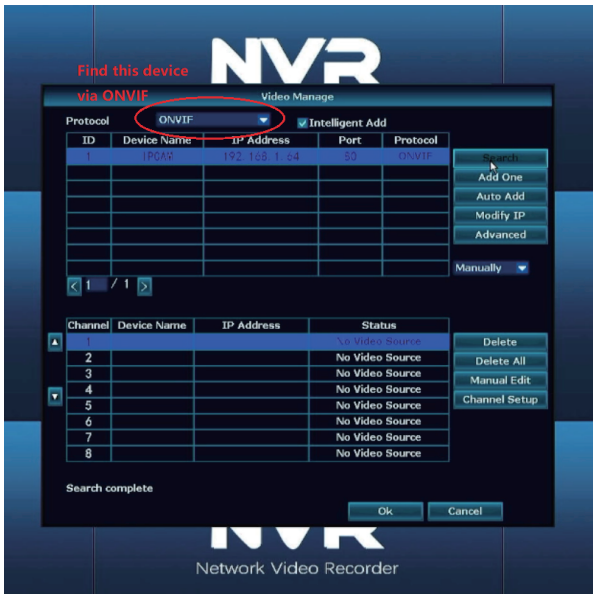
10. Work with other brand NVR or DVR via Onvif

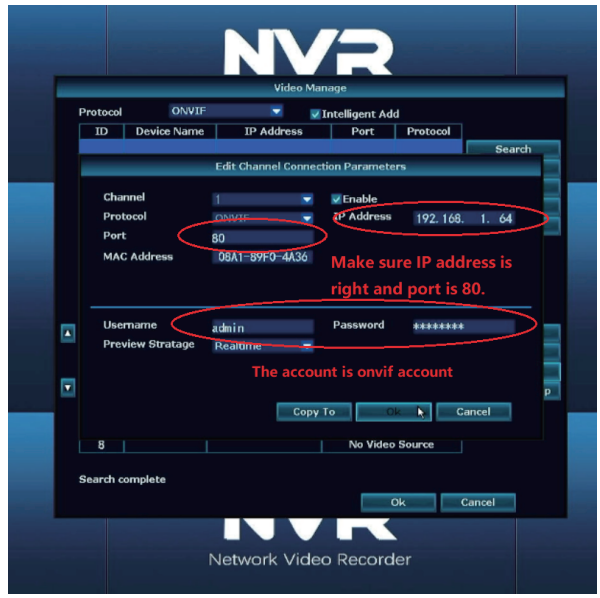
1. Please confirm that the resolution of the IP camera is not higher than the highest resolution that the NVR supports.
2. Power on the camera and connect it to the same router as your computer with a network cable (instead of connecting the camera to the NVR's POE port).
3. Install the SADP software and then active the IP camera. Log in the camera via the IE browser.
4. After logging in the camera, please go to Configuration > Network > Advance Setting > Integration Protocol.
Check the **Enable ONVIF** box. **Click Add to create an ONVIF account and password**. The ONVIF account and **password** will be used when you add the IP camera to the third-party NVR or DVR.





5. Add IP camera to a third-party NVR. Here we take Dahua NVR as an example. Right click the mouse to enter the main menu. Click **Setting** > **Remote** > **Device Search** to detect the camera's IP address. Select the camera and click Manual Add. The actual operation depends on your device.





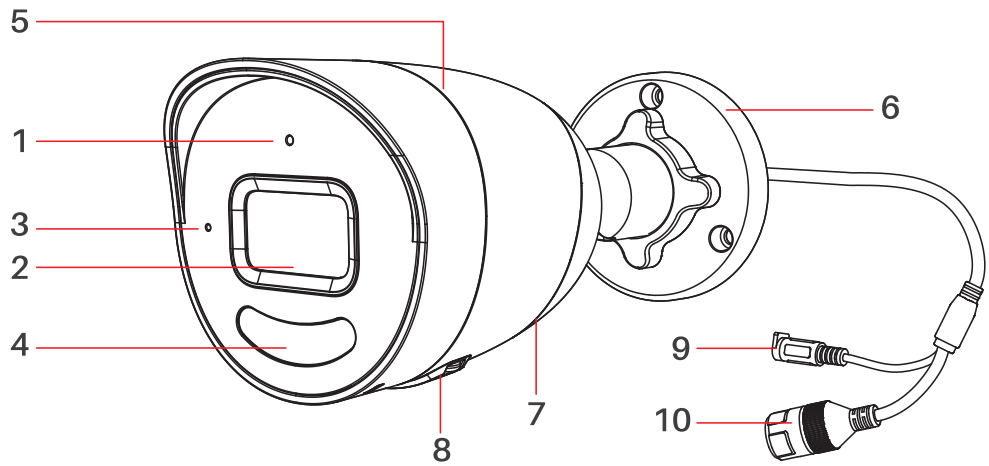
6. Input the correct **ONVIF user name and password** of the IP camera (instead of the login user name and password). The status will be green if the addition is successful. Click **Apply** and you will see the live view.

* Some device need to disable the "Illegal Login Lock".
（Configure > System > Security > Security Service）

1. Schnittstelleneinführung

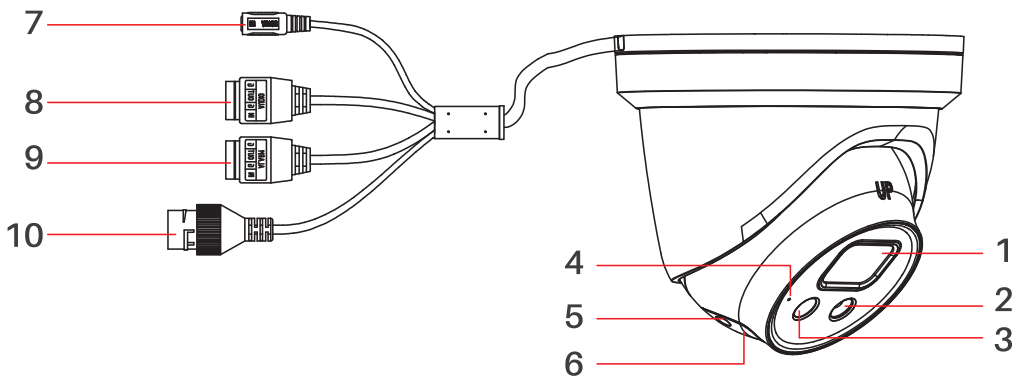
Die Abbildungen und Beschreibungen in diesem Handbuch dienen nur als Referenz, beziehen Sie sich bitte auf das tatsächliche Produkt.

Typ 1: Überblick über die Bullet-Kamera



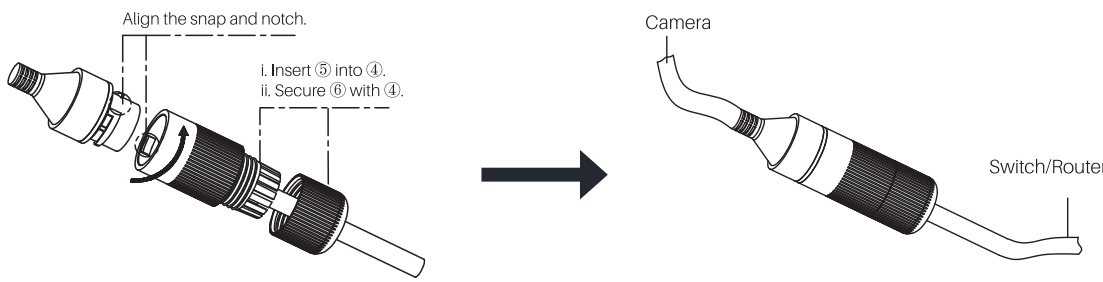
Nr.	Beschreibung	Nr.	Beschreibung
1	Mikrofon	6	Halterung
2	Linse	7	Akustischer Alarm
3	IR LED	8	Speicherkartensteckplatz/Reset-Taste
4	Blitzlicht	9	DC 12V Eingangsschnittstelle
5	Metallgehäuse	10	PoE & Network-Schnittstelle

Typ 2: Überblick über die Revolverkamera



Nr.	Beschreibung	Nr.	Beschreibung
1	Linse	6	Akustischer Alarm
2	Blitzlicht	7	DC 12V Eingangsschnittstelle
3	IR LED	8	Audio ein und aus
4	Mikrofon	9	Alarm ein und aus
5	Speicherkartensteckplatz/ Reset-Taste	10	PoE- und Netzwerkschnittstelle

2. Mit NVR anschließen



Hiweise: Bilder sind nur für Referenz gültig

1. Schließen Sie die Kamera mit dem Ende des Netzwerkkabel an, wo es einen wasserdichtem Stecker gibt.

2. Schließn Sie die andere Ende des Netzw erkkabel mit dem PoE Netzwerk-Anschluss vom NVR.

Shenzhen Kean Digital co.,Ltd.

Address: Room 1001, Rujun Building, No.105 Center Road,
Bantian Street, Longgang District, Shenzhen, China.518000

Tech Support Email Address: support@annke.com

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THEMIS AR Unterstützung UG

Beedstrasse 54, In Dusseldorf, (40468), Deutschland

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