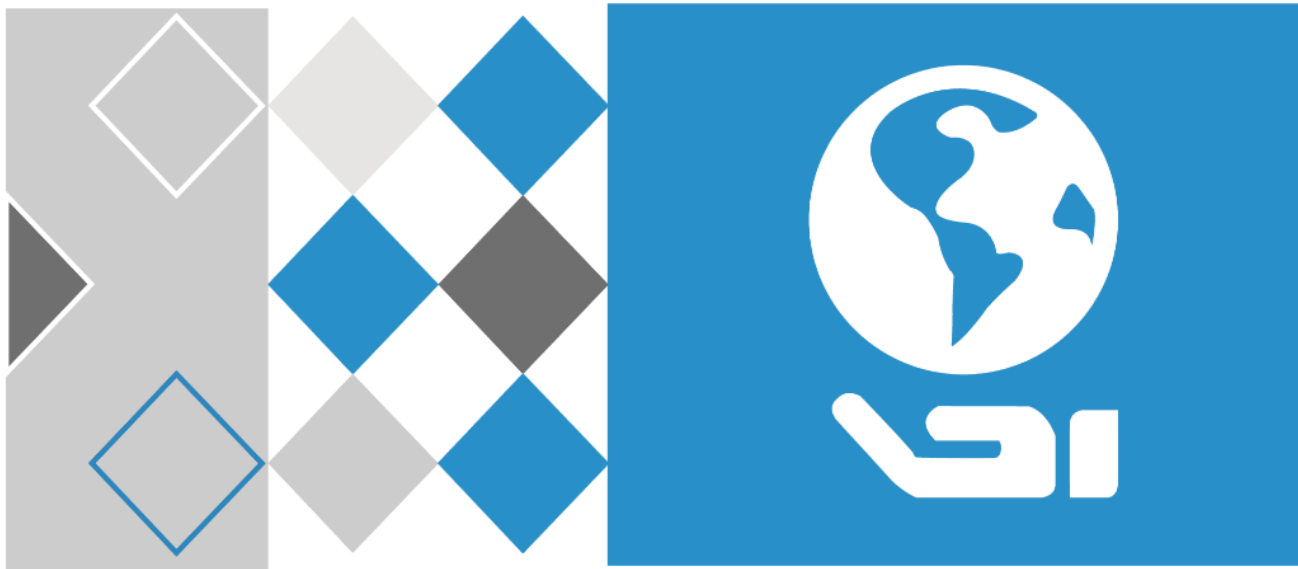


HiLook



Network Video Server (Wi-Fi Series)

User Manual

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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 are designed to provide reasonable protection against harmful interference in a residential 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.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement



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 RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, LVD Directive 2014/35/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 see: <http://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 see: <http://www.recyclethis.info>.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

1. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: this device may not cause interference, and
 2. this device must accept any interference, including interference that may cause undesired operation of the device.
-
1. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes : l'appareil ne doit pas produire de brouillage, et
 2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.




Applicable Model

This manual is applicable to the models listed in the following table.


Series	Model
NVR-100H-S/W	NVR-102H-S/W
	NVR-104H-S/W

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instruction

- 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.
- Firmly connect the plug to the power socket. Do not connect several devices to one power adapter. Power off the device before connecting and disconnecting accessories and peripherals.
- Shock hazard! Disconnect all power sources before maintenance.
- The equipment must be connected to an earthed mains socket-outlet.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
-  indicates hazardous live and the external wiring connected to the terminals requires installation by an instructed person.

- Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.
- Input voltage should meet the SELV (Safety Extra Low Voltage) and the LPS (Limited Power Source) according to the IEC62368.
- High touch current! Connect to earth before connecting to the power supply.
- 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.
- Use the device in conjunction with an UPS, and use factory recommended HDD if possible.
- This product contains a coin/button cell battery. If the battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- This equipment is not suitable for use in locations where children are likely to be present.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions.
- Keep body parts away from fan blades and motors. Disconnect the power source during servicing.
- Keep body parts away from motors. Disconnect the power source during servicing.
- Use only power supplies same with the original model, or LPS power supplies with the same voltage and electric current.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- The device is designed for indoor use only. Install it in a well-ventilated, dust-free environment without liquids.
- Ensure recorder is properly secured to a rack or shelf. Major shocks or jolts to the recorder as a result of dropping it may cause damage to the sensitive electronics within the recorder.
- The equipment shall not be exposed to dripping or splashing and that no objects filled with liquids shall be placed on the equipment, such as vases.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The ventilation should not be impeded by covering the ventilation openings with items, such as

newspapers, table-cloths, curtains, etc. The openings shall never be blocked by placing the equipment on a bed, sofa, rug or other similar surface.


- For certain models, the equipment has been designed, when required, modified for connection to an IT power distribution system.
-  identifies the battery holder itself and identifies the positioning of the cell(s) inside the battery holder.
- + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.
- Keep a minimum 200 mm (7.87 inch) distance around the equipment for sufficient ventilation.
- The USB port of the equipment is used for connecting to a mouse, keyboard, or USB flash drive.
- Do not touch the sharp edges or corners.

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Chapter 1 Front Panel Introduction

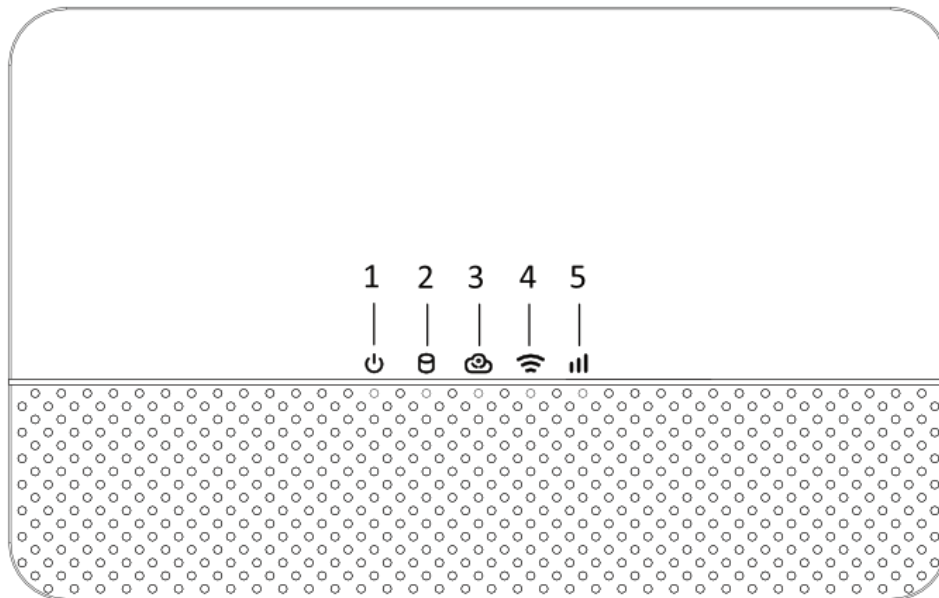







Figure 1-1 Front Panel Indicator

Table 1-1 Front Panel Indicator Description

No.	Icon	Description
1		<ul style="list-style-type: none">• The indicator turns on when your device is powered up.• The indicator turns off when your device is powered off or power supply exception occurs.• The indicator flashes when your device is being restored.
2		<ul style="list-style-type: none">• The indicator turns on when SD card is detected.• The indicator turns off when there is no SD card.• The indicator flashes when there is data transmission.
3		<ul style="list-style-type: none">• The indicator turns on when network is connected.• The indicator turns on when network is disconnected or network exception occurs.
4		<ul style="list-style-type: none">• The indicator turns on when Wi-Fi is initializing or there is no data transmission through Wi-Fi.• The indicator turns off when Wi-Fi exception occurs.• The indicator flashes slowly (on for 2 sec and off for 2 sec) when Wi-Fi is initialized and there is data transmission through Wi-Fi.
5		4G is not available for you device, and this indicator would not be working.

Chapter 2 Rear Panel Introduction

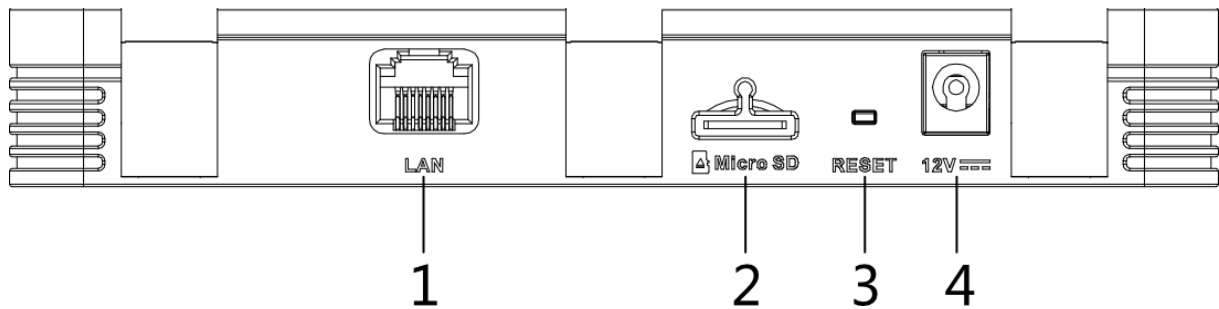


Figure 2-1 Rear Panel Interface

Table 2-1 Rear Panel Interface Description

No.	Description
1	LAN self-adaptive Ethernet interface.
2	Micro SD (TF) card is connectable, and the card metal side should be underneath.
3	The device be restored if you press the reset button for about 5 seconds.
4	12 VDC power supply.

Chapter 3 Connect Network Cable & Micro SD Card

Connect your device with a router by a network cable, and insert a micro SD card in to the SD card slot.

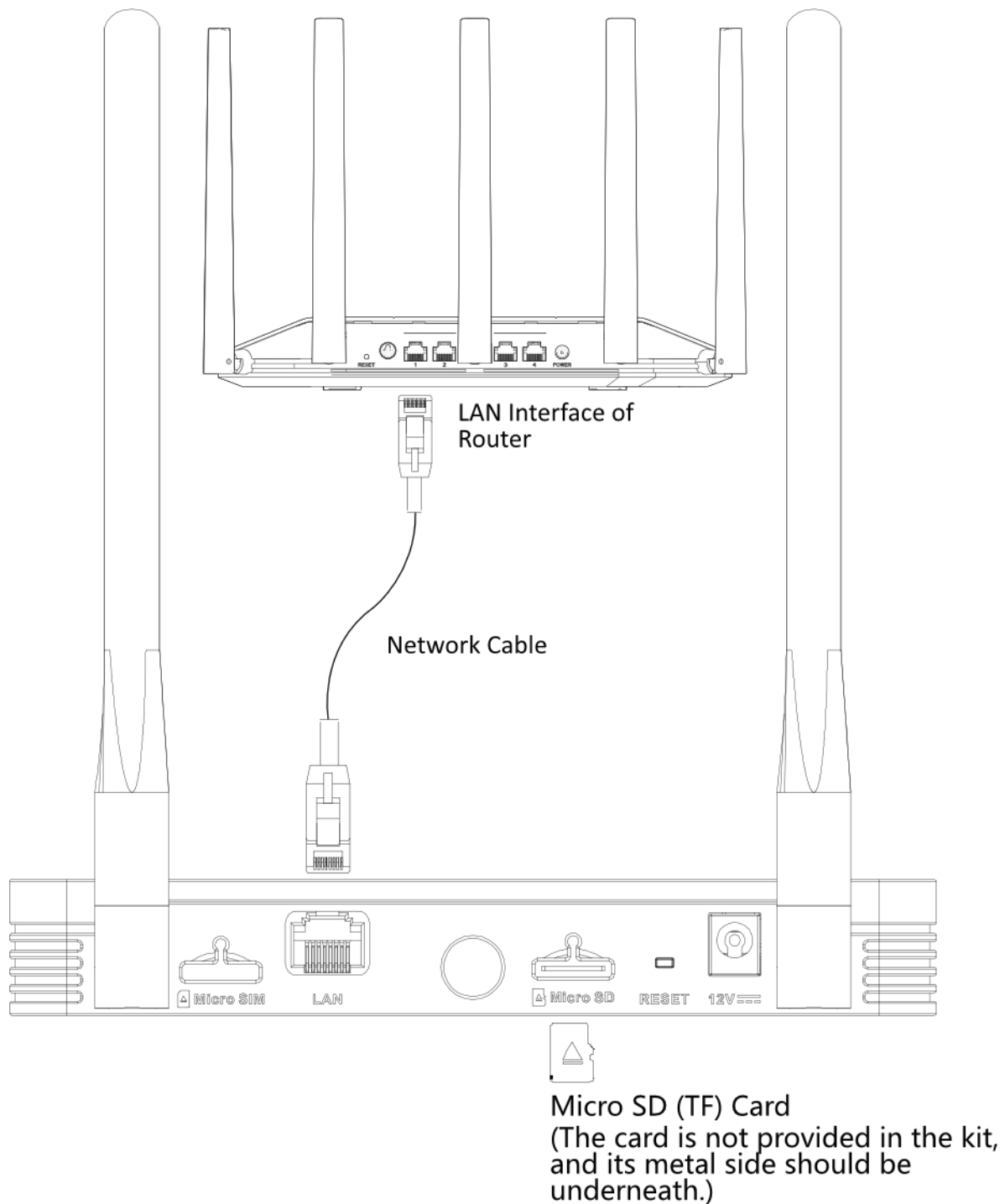


Figure 3-1 Network Cable & Micro SD Card Connection

Chapter 4 Startup

Power on your device.

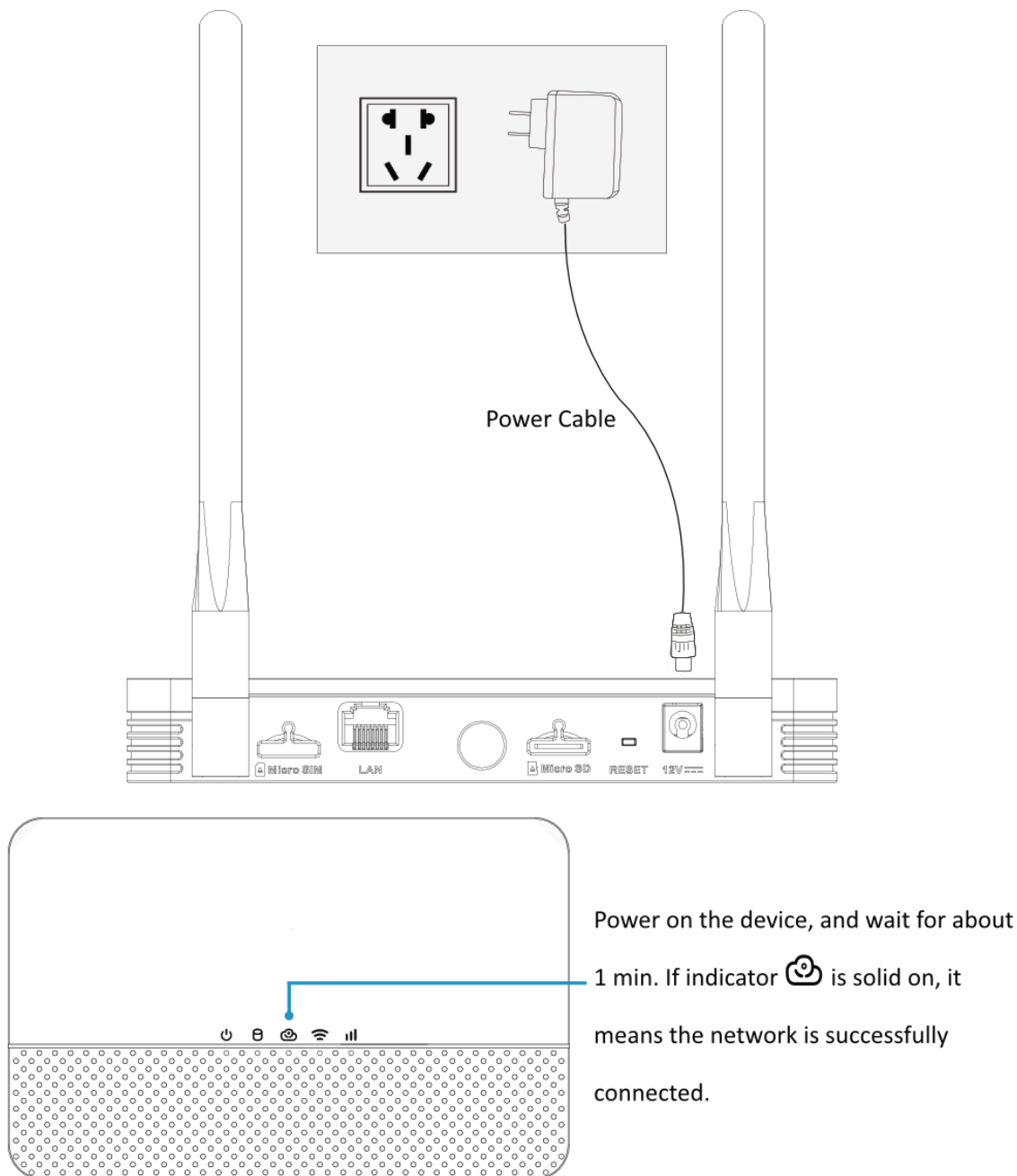


Figure 4-1 Startup

Chapter 5 HiLookVision Connection

HiLookVision provides mobile phone application and platform service to access and operate your network video server. Please use a smart phone to scan the QR code below and download HiLookVision app.



Figure 5-1 Download HiLookVision

5.2 Add Your Device

Step 1 Tap **Add Device** at the home page of HiLookVision.

Step 2 Tap **Scan QR Code**.

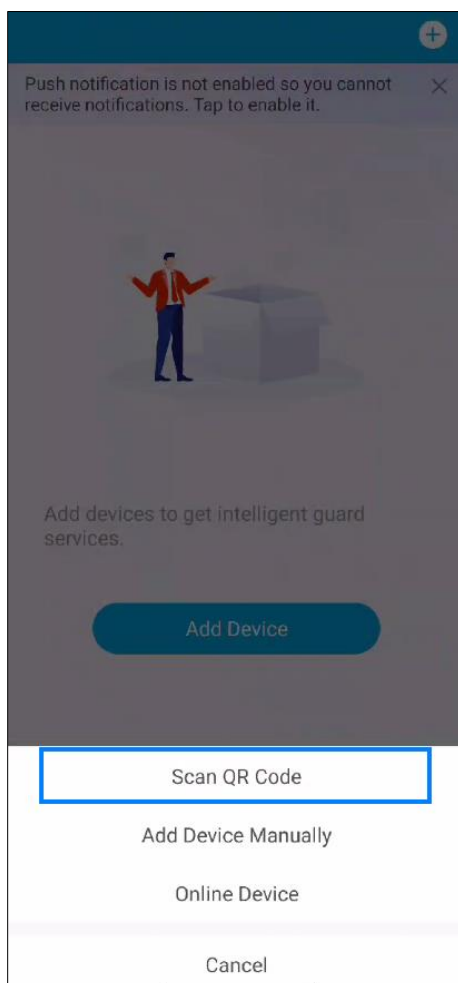


Figure 5-2 Scan QR Code

Step 3 Scan the device QR code on the tag.

Step 4 Tap **Add**.

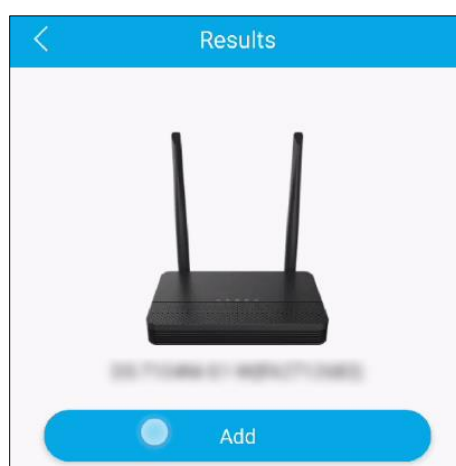


Figure 5-3 Add Your Device

Step 5 If the device is not added for the first time, tap **End Process**.

Step 6 Optional: Tap **Next** to link cameras.

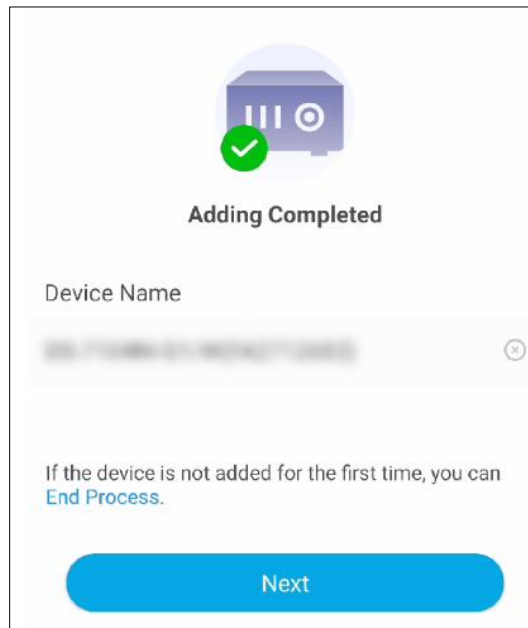


Figure 5-4 Initialize Your Device

5.3 Link Cameras to Your Device

After your device is added to HiLookVision, you can link network cameras to your device.

Step 1 Tap **Next** after your device is added to HiLookVision.

Step 2 Wait for the searching process.

Step 3 Tap **Finish** after all cameras are automatically linked.

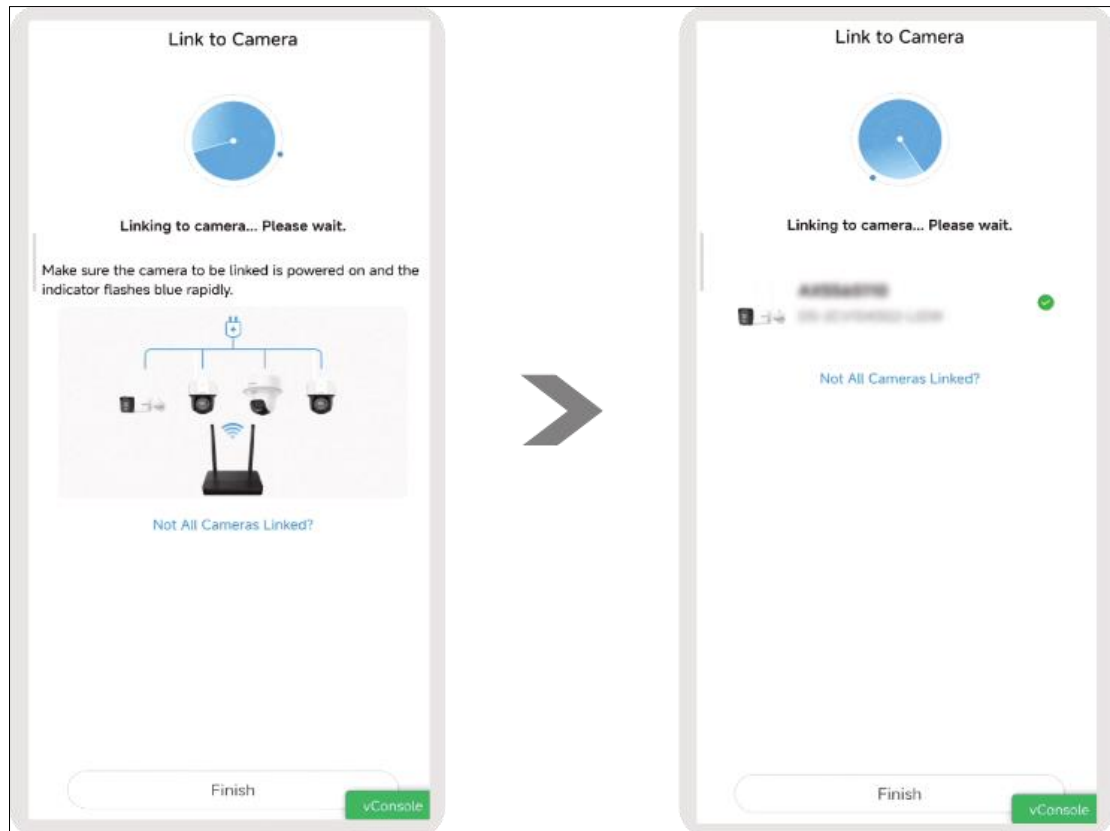


Figure 5-5 Link to Camera

5.4 Live View and Playback

Step 1 Select your device at the home page of HiLookVision.

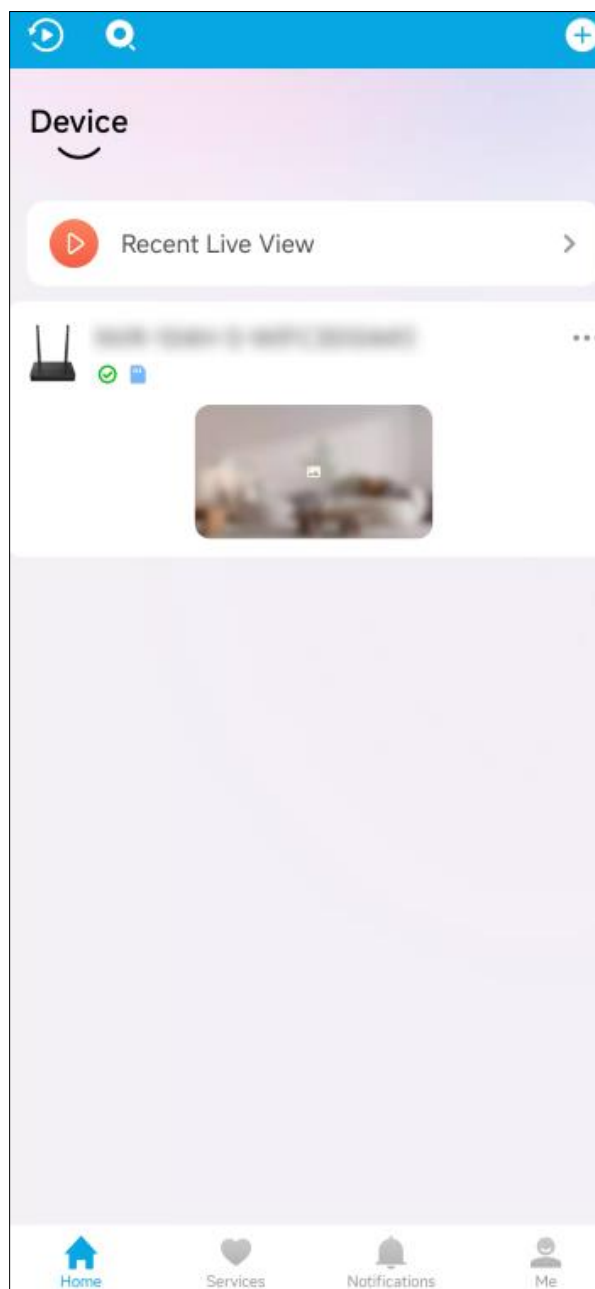


Figure 5-6 Select Your Device

Step 2 Wait for the network connection, and live image would be display at the top window.

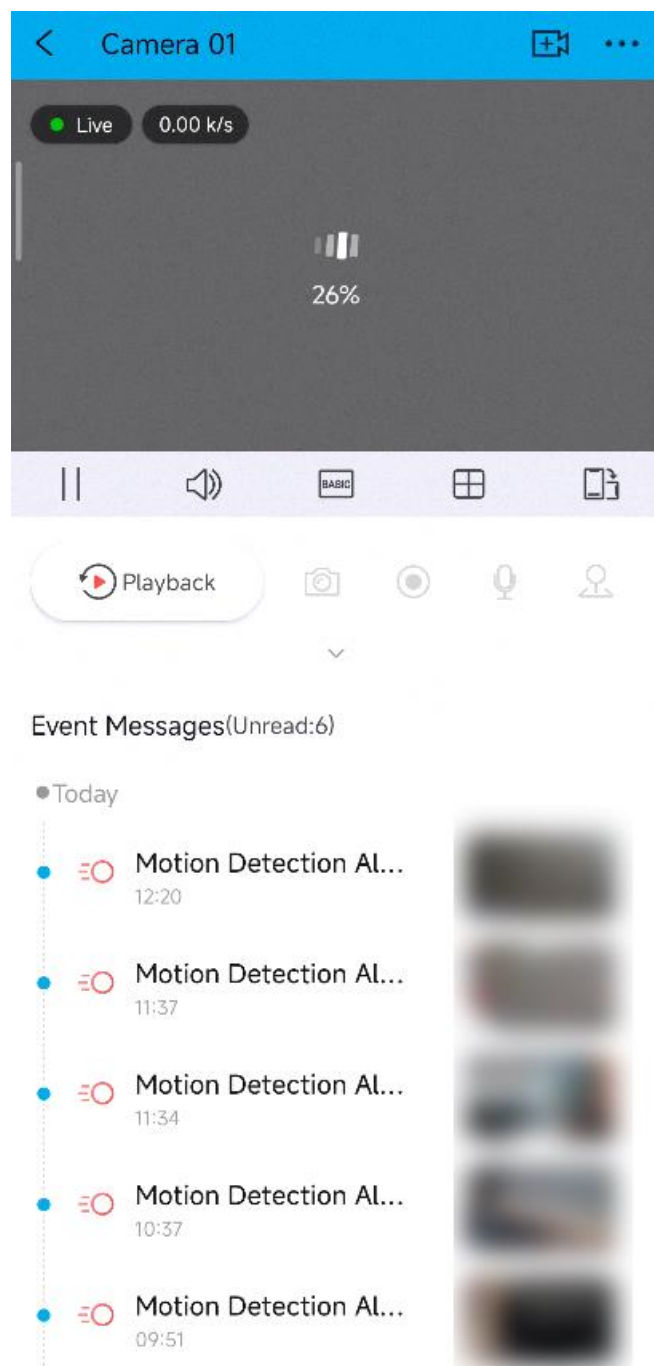



Figure 5-7 Wait for Network Connection

Step 3 Tap  to play back videos.

Step 4 Optional: Tap the tools below the live view window as your needed.



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