tp-link | VIGI

Quick Installation Guide

Turret IPC & PoE+ NVR KIT

*VIGI 8-channel PoE+ NVR and 4MP network camera are used as an example throughout the Guide. Images may differ from the actual product.
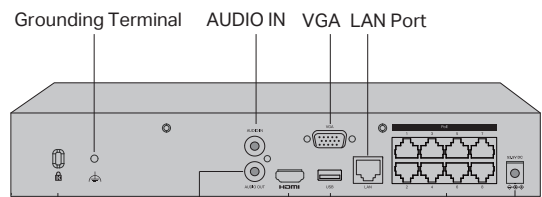
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1 Hardware Overview

VIGI NVR

▪ **Front Panel**

LED   USB Port

LED	Indication
SYS	On: System is running normally. Off: System is running abnormally.
LAN	On: Network is working properly. Flashing: Data is being transmitted or received. Off: Network is malfunctioning.
HDD	On: The HDD is normal. Off: No HDD or the HDD is malfunctioning.
PoE Max	On: The total PoE power reaches the warning threshold. Flashing: The total PoE power has reached the warning threshold for more than 2 minutes. Off: The total PoE power does not reach the warning threshold.
PoE	On: The port is supplying power normally. Flashing: Overload or short circuit is detected. Off: Not providing PoE power on the port.
Link / Act	On: A device is linked to the port but no activity. Flashing: Transmitting or receiving data. Off: No device is linked to the corresponding port.

▪ **Back Panel**

Grounding Terminal   AUDIO IN   VGA   LAN Port

Kensington Security Slot   AUDIO OUT   HDMI   USB Port   PoE Port   Power

- **Kensington Security Slot:** Secure the lock (not provided) into the security slot to prevent the device from being stolen.
- **Grounding Terminal:** The device comes with lightning protection mechanism.

Interface	Description
AUDIO IN / AUDIO OUT	Connector for audio input and output. Note: Audio input only supports microphones with power supply.
HDMI®	Output port for high-definition audio and video signals. Connect your monitor to this port if it uses HDMI connection.
VGA	Output port for analog video signals. Connect your monitor to this port if it uses VGA connection.
USB	2 USB ports for additional devices such as USB mouse, USB storage device, and USB keyboard.
LAN	RJ45 10/100Mbps self-adaptive Ethernet port. Connect to an Ethernet device (eg. router and switch).
PoE	Designed to connect to the device with a bandwidth of 100/10 Mbps. The port can also provide power for PoE PDs (recommended for PoE cameras).
Power	Connector for power input.

VIGI Camera

① Camera Base

② Reset
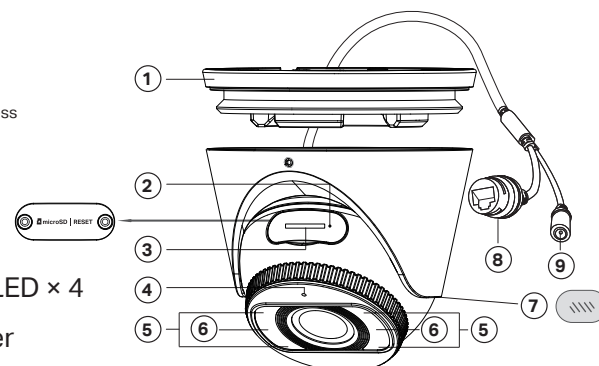Unfasten the two fixed screws to remove the cover. Press for 5 seconds to reset the camera to factory settings.

③ microSD Card Slot
Unfasten the two fixed screws to remove the cover. Insert a microSD card for local storage. Initialize the SD card via VIGI app or other management tools before recording videos.

④ Built-in Microphone   ⑤ White LED × 4

⑥ IR LED × 4   ⑦ Speaker

⑧ RJ45 Network Interface (supports PoE) *   ⑨ Power Supply Interface (12V DC) *
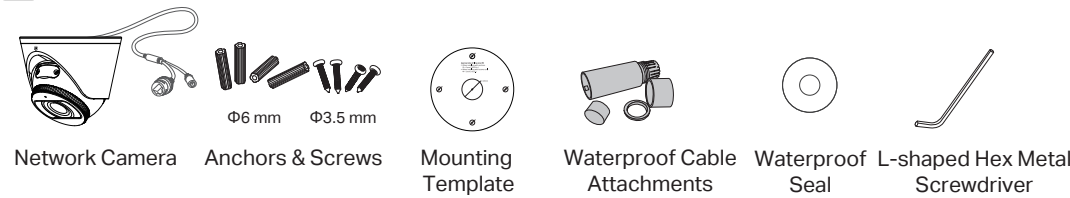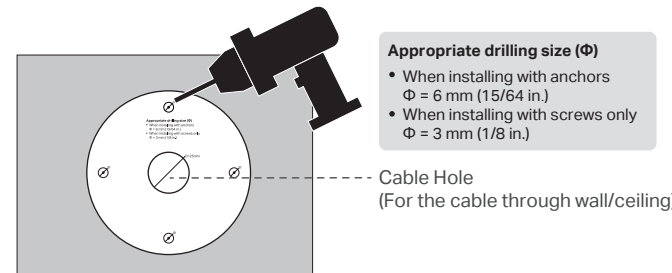
*The camera's standard power supply is 12V DC or PoE (802.3af/at). The power source should comply with Power Source Class 2 (PS2) or Limited Power Source(LPS) of IEC 62368-1.
*Some models do not have the power supply interface. You can check the detailed specifications on the product page at https://www.tp-link.com/.

2 Mount the Camera

Network Camera   Anchors & Screws   Mounting Template   Waterproof Cable Attachments   Waterproof Seal   L-shaped Hex Metal Screwdriver
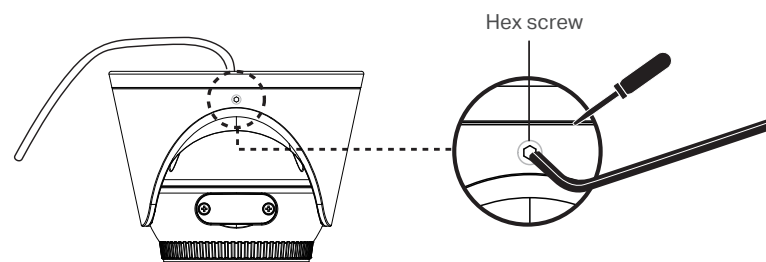
Φ6 mm   Φ3.5 mm

1. Drill Holes

Stick the mounting template to the desired mounting place. Drill 4 screw holes and 1 cable hole (for the cable through wall/ceiling) according to the template.
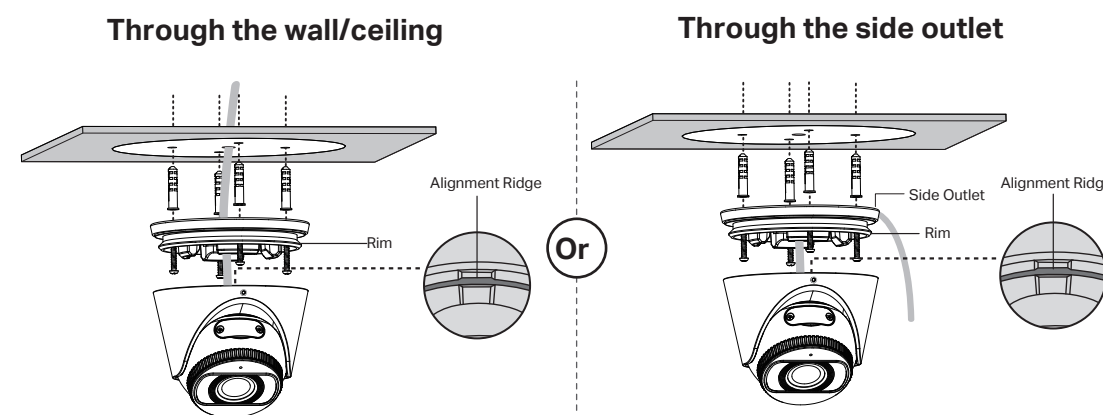
Appropriate drilling size (Φ)
- When installing with anchors Φ = 6 mm (15/64 in.)
- When installing with screws only Φ = 3 mm (1/8 in.)

Cable Hole (For the cable through wall/ceiling)

2. Open the Camera Case

Use the L-shaped hex metal screwdriver to loosen the hex screw, and use a screwdriver to gently pry open the camera case.
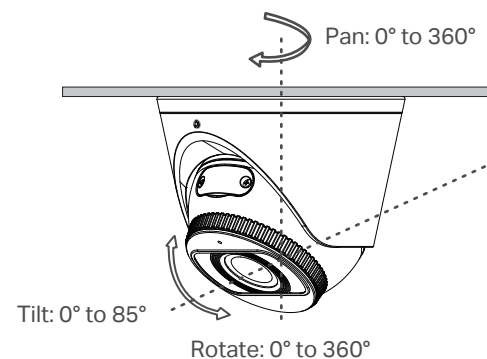
Hex screw

3. Secure the Camera

Insert anchors into the holes and use screws to affix the camera base. Identify the groove and alignment ridge on the camera. Begin by aligning the base's rim with the camera's groove, attaching the ridge side first for a correct fit. Once aligned, proceed to snap the rest of the camera onto the base to secure it.

Through the wall/ceiling   **Through the side outlet**

Alignment Ridge   Rim   Or   Side Outlet   Alignment Ridge   Rim

4. Adjust the Surveillance Angle

Use the L-shaped hex metal screwdriver to loosen the hex screw on the base, and adjust the surveillance angle as needed.

Pan: 0° to 360°

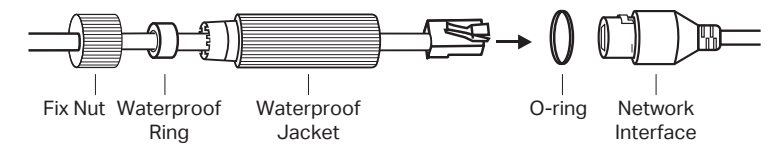Tilt: 0° to 85°

Rotate: 0° to 360°

5. Tighten the Hex Screw

Tighten the hex screw to secure the camera to the camera base. Hold the camera and ensure the camera and base are as close together as possible when tightening.

Install Waterproof Cable Attachments

Install the waterproof cable attachments for the network interface if needed.
Note: Make sure each part is securely attached and the waterproof rings are flush to keep out water.

Fix Nut   Waterproof Ring   Waterproof Jacket   O-ring   Network Interface

1. Route the network cable through the following components in order: fix nut, waterproof ring, and then the waterproof jacket.
2. Fix the O-ring to the network interface of the camera and connect the network cables.
3. Attach the network interface with the waterproof jacket, then twist to lock.
4. Insert the waterproof ring into the waterproof jacket. Rotate the fix nut to secure it to the waterproof jacket.

Install Waterproof Seal for Power Connectors

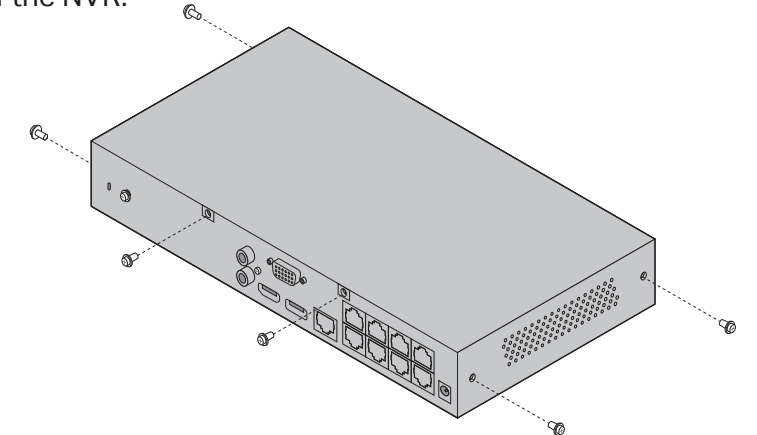Install the waterproof seal for the power connectors when using a power adapter to power the camera.

Male Power Connector   Waterproof Seal   Female Power Connector

3 Install the NVR
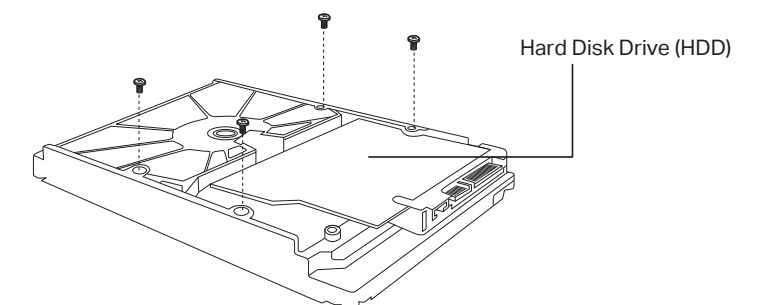
Network Video Recorder   Rubber Feet

One hard disk drive (HDD) is already installed in the NVR. You can also follow the steps below to reinstall the HDD.
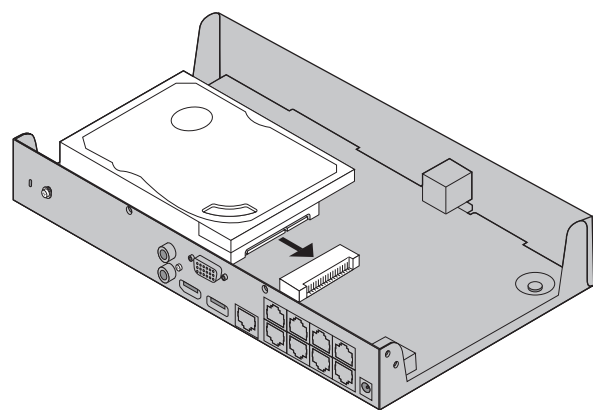
1. Remove the fixing screws on the side and back panels to open the cover of the NVR.
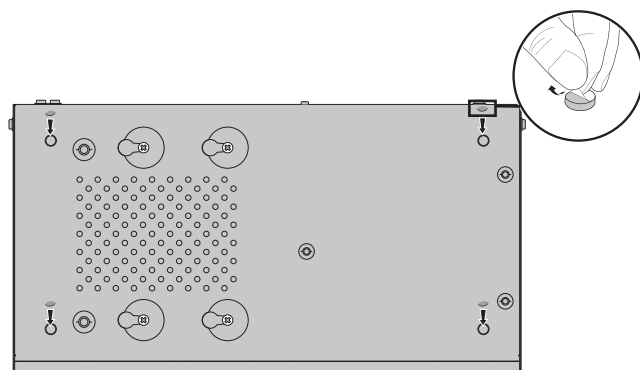
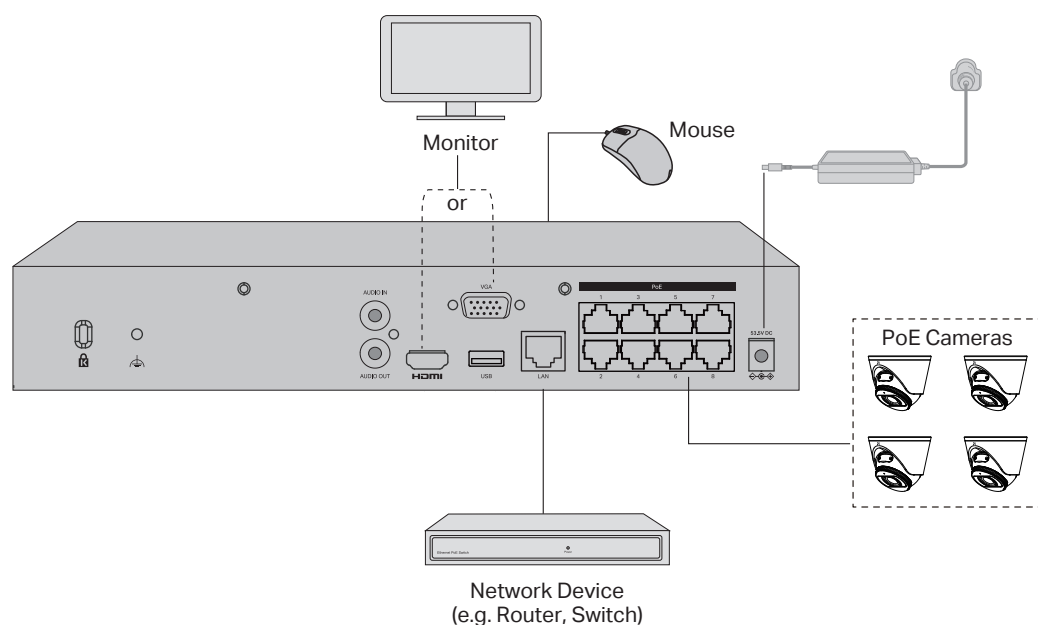2. Attach the 4 included HDD screws to your hard drive. Do not fasten.

Hard Disk Drive (HDD)

3. Match the 4 screws on the HDD with the 4 holes on the NVR, and insert the HDD interface into the slot.

4. Flip the NVR upside down and fasten the HDD screws. Replace the cover and fasten the screws of the NVR. Stick the rubber feet.

4 Hardware Connection

Monitor
Mouse
or
PoE Cameras
Network Device
(e.g. Router, Switch)

Follow the steps below to complete the hardware connection.

1. Connect your monitor to the HDMI or VGA port according to the connection port it supports.

2. Connect your monitor to a power source and turn it on.

3. Connect the LAN port of the NVR to a network device with an Ethernet cable.

4. Connect the provided USB Mouse to the USB Interface of the NVR.

5. Connect the power adapter to the NVR.

⚠ Cautions

- If you want to turn off the NVR after installing the hard drive, right click on the Live View screen and click the Power button ⏻ on **Main Menu** of your monitor. Do not unplug it directly.
- The input voltage should match the power requirements of the NVR.
- The buzzer on the NVR may be triggered when no hard drive is installed or the hard drive in the NVR hasn't been initialized. You can turn it off in **Event-Exception Detection-Disk Exception**.

5 Configuration

NVR can add and manage cameras in batches.

1. Connect all cameras to the PoE ports of the NVR.

2. Confirm the system information and change the information if needed. Configure the account settings which will be used for future logins and adding cameras. You will aslo see that all cameras in the network listed.

3. Click **Next**, the camera will be added automatically, and you will see the Live View screen.

Note: If you want to add cameras manually step by step, click the **Setup Wizard** to manually add cameras to the network and complete the setup.

(Optional) 4. Click **Bind TP-Link ID** to bind your NVR to a TP-Link ID for remote access and management.

Note:

- Make sure your NVR can get access to the internet before binding.
- If you don't have a TP-Link ID, sign up first.
- If your NVR fails to connect to the Internet, please refer to **FAQ-Q3**.
- For more instructions, please refer to the NVR's User Guide.

- If you want to add unprovisioned VIGI cameras after setup, just connect the cameras to the same network as the NVR and they will be added automatically. The password preset for cameras during setup will be applied to the unset cameras.
- If you want to add a preconfigured VIGI camera or a third-party camera after setup, follow these steps:
  1. Right-click the **Live View** screen and click **Add Camera**.
  2. Select a camera and click **+** to add the camera directly. If the connection status is **Not certified**, click the **Edit** icon and enter the camera's password to verify it. If you have disabled **Plug and Play** on your NVR, enter the camera's password to add it.

More Management Methods

Method 1: Via the TP-Link VIGI App

Remotely view live video, manage NVR, and get instant alerts.

1. Download and install the **TP-Link VIGI** app.

2. Open the app and log in with your TP-Link ID. If you don't have an account, sign up first.

3. Tap the **+** button on the top right and follow the app instructions to add your NVR.

Method 2: Via a Web Browser

View live video and modify NVR settings via a web browser.

1. Find the NVR's IP address on your router's client page.

2. On your local computer, open a web browser and enter **https://NVR's IP address** (https://192.168.0.240 by default).

3. Follow the web instructions to initialize the NVR and add cameras.

Method 3: Via the VIGI Security Manager (Windows only)

View live video and modify NVR settings on your computer.

1. Download the **VIGI Security Manager** on your computer at https://www.tp-link.com/support/download/vigi-security-manager/.

2. Install the **VIGI Security Manager** and open it.

3. NVR on the same network as your computer can be automatically discovered. Go to **Settings** > **Discovered Devices**, click **Add**, and follow the instructions to add your NVR.

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
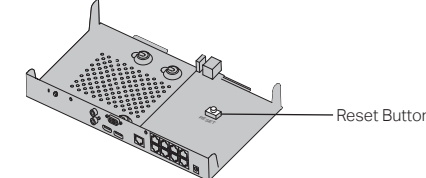

For technical support, the user guide and other information, please visit https://www.tp-link.com/support, or simply scan the QR code.

Frequently Asked Questions

Q1. What should I do if I forget the login password of my NVR?
A1. Click **Forgot Password** on the login page and then follow the instructions to reset the password.
A2. Remove the cover, then press and hold the Reset button inside the NVR for over 3 seconds. The NVR will restore to the factory settings. Then follow Quick Setup to create a login password.

Reset Button

Q2. What can I do if no cameras are found?
A1. Refresh to discover your cameras again.
A2. Make sure the cameras are powered on.
A3. Make sure your cameras and NVR or computer are in the same network. If not, use the VIGI Security Manager to set camera's network parameters.
A4. Try to add your cameras manually.
A5. For other NVR brands, make sure you have activated the camera by setting a password via the **VIGI Security Manager**, **TP-Link VIGI app** or **web management page**.

Q3. What can I do if my NVR fails to connect to the Internet?
A1. Check if the internet is working properly.
A2. Make sure your NVR is in the same network segment as your network devices, or select Auto as the mode to configure the NVR to obtain a dynamic IP address. For more details, please refer to the NVR's User Guide.

Q4. How do I know the camera is powered on?
A1. The IR LED will turn on for 10 seconds once the camera is powered on. If it's off, you can cover the lens for several seconds and check if the IR LED turns on.
A2. Check the Ethernet port LED status of the network device your camera is connected to.

For more questions, please refer to https://www.tp-link.com/support/faq/2850/

Safety Information