

Kestrel + HiLook CCTV Kit Setup Guide

Oct 14, 2026 · @James

This guide takes you from unboxing to a working 24/7 recording system with app viewing. Most people are done in under an hour. If you get stuck at any point, call us on 01902 213 999 or email info@jmcsecure.co.uk.

Before you start

What's in your kit

Kit	Cameras	NVR	PoE switch
4 camera	4 x Kestrel OYN X 8MP motorised zoom turret (KESTREL-8-TURM)	HiLook NVR-104MH-C-4P, 4 channel	4 port, with 2 uplink ports
8 camera	8 x Kestrel OYN X 8MP motorised zoom turret (KESTREL-8-TURM)	HiLook NVR-108MH-C-8P, 8 channel	8 port, with 2 uplink ports
10 camera	10 x Kestrel OYN X 8MP motorised zoom turret (KESTREL-8-TURM)	HiLook NVR-216MH-C-16P, 16 channel	16 port, with 2 uplink ports

What you'll need

- A Windows PC or laptop connected to the same router as the system, to run Kestrel Device Manager
- A monitor or TV with an HDMI input for the NVR (the mouse is supplied with the NVR)
- A hard drive fitted in the NVR (an optional extra if you didn't order one)
- Two network cables for the switch uplinks, one to the NVR and one to your router
- A smartphone if you want to view the cameras on the HiLook app

What this system does

- Records every camera 24/7 at 8MP to the NVR's hard drive
- Live view and playback on a monitor and on the HiLook app
- Motorised zoom control from the NVR and the app

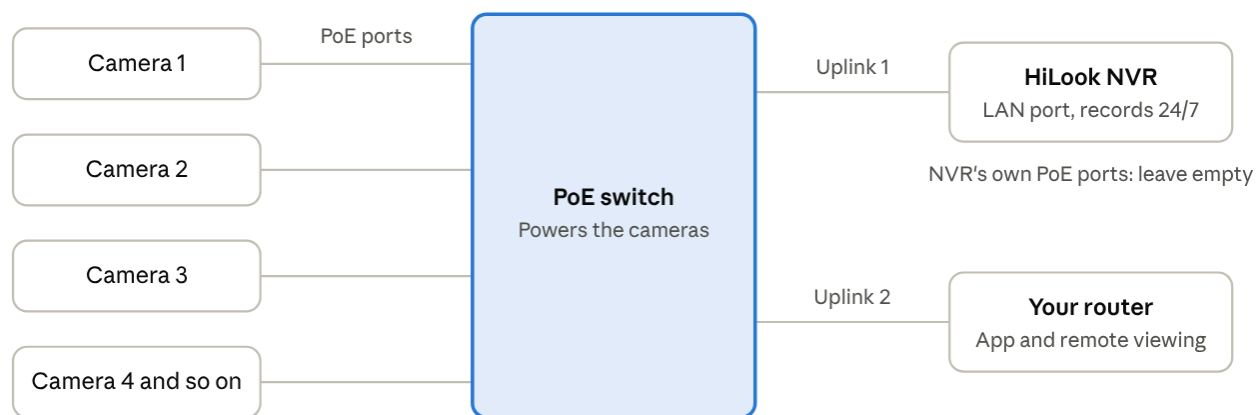
What this system doesn't do

- No motion detection, motion alerts or push notifications
- No smart features such as person or vehicle detection
- Not plug and play: each camera needs an IP address setting once, then adding to the NVR by hand. This guide walks you through both

Step 1: Connect everything

The cameras plug into the PoE switch, not the NVR. The switch powers the cameras and links them, the NVR and your router onto the same network.

Cameras plug into the switch, which links the NVR and your router



wiring · cameras, PoE switch, NVR and router

1. Plug each camera into one of the switch's PoE ports. Note which camera is on which port and where it's mounted, as it makes naming the channels easier later
2. Connect one of the switch's uplink ports to the LAN port on the back of the NVR
3. Connect the other uplink port to a spare port on your router
4. Connect the NVR to your monitor with an HDMI cable and plug the mouse into a USB port
5. Leave the NVR's own PoE ports empty. The cameras must stay on the switch
6. Power on the switch first, then the NVR. Give the cameras a couple of minutes to start up

Step 2: Set up the NVR and find your network details

The NVR tells you everything you need to know about your network, so you'll use it to choose the camera addresses.

1. When the NVR starts for the first time it asks you to create an admin password.
Choose a strong one and write it down somewhere safe
2. Follow the setup wizard. On the network page, tick **DHCP** so your router gives the NVR an address
3. Once saved, open the NVR's network settings and write down these three values:

Setting	Example	Yours
NVR IPv4 address	192.168.1.64	
Subnet mask	255.255.255.0	
Default gateway (your router)	192.168.1.1	

4. Go back into the NVR's network settings, untick DHCP and click save, so the NVR keeps the same address from now on

Choosing addresses for your cameras

Each camera needs its own address on the same network as the NVR. Keep the first three numbers the same as your gateway and change only the last number.

Use high numbers that your router is unlikely to hand out to phones and laptops, for example .201, .202, .203 and so on. With the example above, camera 1 would be 192.168.1.201, camera 2 would be 192.168.1.202, and so on.

Camera	Location	IP address
1		
2		
3		
4		

Add more rows if you have the 8 or 10 camera kit.

Step 3: Set each camera's IP address with Kestrel Device Manager

Video 1: Using Kestrel Device Manager [Watch on YouTube](#)

1. On your Windows PC, download Kestrel Device Manager from jmcsecure.co.uk/spec/oynx/kestreldevicemanager.zip

2. Right-click the downloaded file and choose **Extract All**, then open the extracted folder and run Device Manager. If Windows asks whether to allow it on your network, click **Allow**
3. Click search. Your cameras will appear in the list, all with the same factory address, 192.168.1.10
4. Tick one camera and open its network settings. Enter:
 - **IP address:** the address you chose for this camera in Step 2
 - **Subnet mask:** the same as your NVR, usually 255.255.255.0
 - **Gateway:** your router's address from Step 2
5. Enter the camera's login (user name admin, and the password is blank by default, so leave it empty) and click save. The camera restarts with its new address
6. Search again to confirm the new address shows, then repeat for the next camera

It's easiest to plug in and set up one camera at a time, because they all start with the same address. Unplug the others from the switch, set camera 1, then plug in camera 2 and so on.

The cameras have no password out of the box. If Device Manager lets you set one, we recommend doing so. Either way, note it down, as you'll need it (or a blank password) in the next step.

Step 4: Add each camera to the NVR

Video 2: Adding a camera to an NVR channel [Watch on YouTube](#)

1. On the NVR, go to **Configure > Camera**
2. Choose the channel you want the camera on (D1 for camera 1, D2 for camera 2 and so on) and click the edit icon
3. Fill in the camera's details:

Field	What to enter
Adding method	Manual
IP camera address	The address you gave the camera in Step 3
Protocol	ONVIF
Management port	80 (the default, leave as it is)
User name	admin
Password	The camera's password, or leave blank if you didn't set one

4. Click OK. After a few seconds the channel status should turn green and show the camera's picture
5. Repeat for each camera, using a new channel each time
6. Rename each channel to its location, for example Front Door or Driveway, so it's easy to find on the app

Step 5: Check the hard drive and 24/7 recording

These cameras don't support motion detection, so the system records continuously. Once the drive is full, the NVR overwrites the oldest footage automatically.

1. Go to the NVR's storage settings and check the hard drive shows as **Normal**. A new drive may show as uninitialised. If so, select it and click **Init** to format it
2. Open the recording schedule and check every camera is set to continuous recording, all day, every day
3. After 10 minutes or so, open playback on one channel to confirm footage is being saved

How many days you can keep depends on the drive size and the number of cameras. If you're unsure which drive you need, give us a call.

Step 6: Remote viewing and zoom

Set up the HiLook app

Remote viewing runs through the HiLook NVR, so it works the same as any HiLook system.

1. Install the HiLook app on your phone and create an account
2. On the NVR, go to the network settings and open the remote access (platform access) page. Tick **Enable**, set a verification code and save
3. In the app, tap + and scan the QR code shown on that NVR page, or on the label under the NVR
4. Enter the verification code when asked. Your cameras will appear in the app, ready for live view and playback

Using the zoom

The cameras have motorised zoom lenses you can adjust remotely.

- **On the NVR:** open a camera in live view, click the PTZ control and use zoom in and out
- **In the app:** open the camera, tap the PTZ control and use the zoom buttons

Set the zoom once to frame what you want to see, then leave it.

Troubleshooting

Problem	What to check
Device Manager finds no cameras	The PC must be on the same router as the switch. Check the switch uplink is plugged into the router, allow Device Manager through Windows Firewall and search again
A camera disappears after setting its address	It has restarted on its new address. Search again after a minute
NVR channel stays offline	Check the IP address, port, user name and password match the camera exactly, and that the camera's address starts with the same three numbers as the NVR's
A camera worked, then went offline days later	Another device may have taken its address. Give the camera a higher number in Device Manager and update the NVR channel to match
Picture shows but nothing is recorded	Check the hard drive shows as Normal and the schedule is set to continuous (Step 5)
App says the device is offline	Check the switch uplink to the router is connected and remote access is enabled on the NVR (Step 6)

Still stuck? Call us on 01902 213 999 or email info@jmcsecure.co.uk with your order number and which step you're on.