

01 / GETTING STARTED

Your NVR at a glance

4-channel / 4 PoE ports / NETUS CCTV system

**Before you start**

The NVR and cameras are separate products. **No hard drive or network cables are included.** Install a compatible surveillance HDD before using local NVR recording and playback.

PREPARE YOUR EQUIPMENT

Have the NVR and its correctly rated power supply, compatible IP cameras, Ethernet cables, an HDMI or VGA display and matching cable, and a USB mouse ready. You will also need a compatible HDD for recording, a USB storage device for exports, and a router with internet access for remote viewing.

FIND THE TASK YOU NEED

02 / Install & connect	Fit the HDD, connect cameras, monitor and router.
03 / First-time setup	Activate the recorder, set time and add cameras.
04 / NETUS App	Add the NVR and check remote viewing.
05 / Recording & audio	Format storage, choose a schedule and record the camera MIC.
06 / Playback & export	Find recordings and save a copy to USB.
07 / Motion events	Set detection areas, schedules and event actions.
08 / Help & maintenance	Resolve common problems and shut down safely.

LOCAL WEB ACCESS & ACCOUNT SECURITY

For local web access, connect a computer to the same LAN. Enter the NVR IP address and configured web port in the browser, then sign in with your NVR account. Browser support varies with firmware.

Use a unique password and recovery options, limit other users to the permissions they need, and leave UPnP off unless your installer configures it.

02 / INSTALLATION

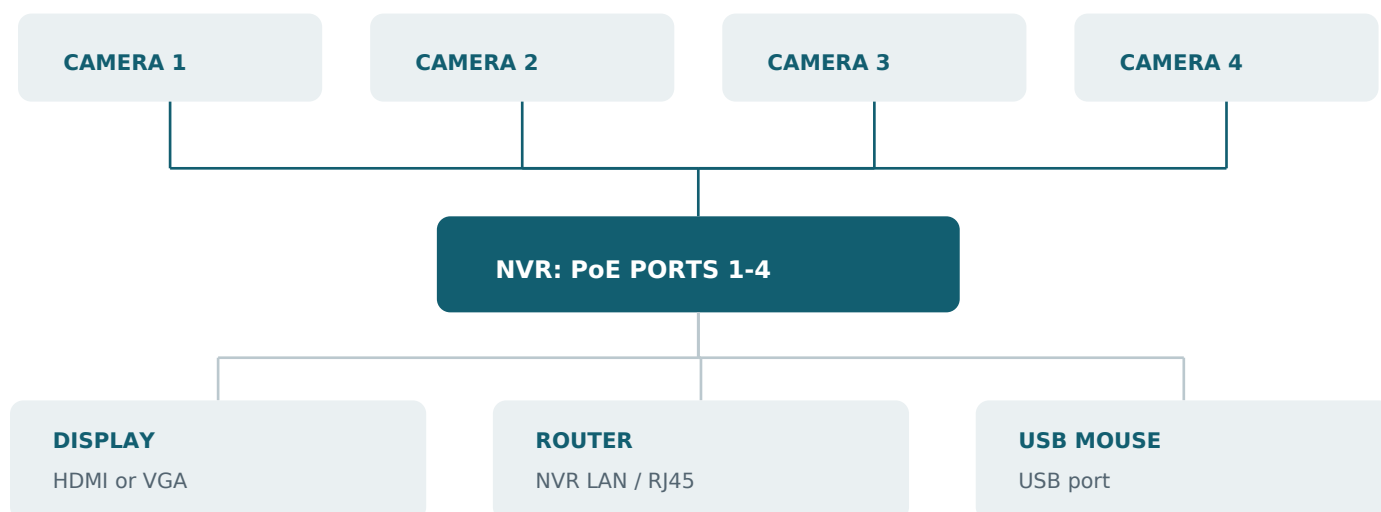
Install and connect

Keep the NVR indoors, dry and ventilated. Keep its vents clear.

I FIT THE RECORDING DRIVE

- 1 Disconnect all power.**
 If the NVR is running, shut it down through **System > Maintenance > Shutdown** first. Unplug its power supply before opening the case. Ask your installer to fit the HDD if needed.
- 2 Secure and connect the HDD.**
 Remove the cover, fix the compatible HDD to the mounting points, and connect its SATA data and power leads. Check that cables are secure, then refit the cover before reconnecting power. Follow the actual chassis layout.

I TYPICAL CONNECTION LAYOUT



Each camera cable carries power and video through a compatible PoE connection. The router connects to the NVR **LAN / network port**, separately from the camera PoE ports. Internet is needed for remote access; local viewing and recording can operate without it once configured.

- 3 Connect the display and mouse, then power on.**
 Select the correct display input. Connect the NVR power supply that matches the device label and switch on if a rear power switch is fitted. Allow startup to finish.

Use the device power rating

Use the correct NVR adapter and keep power disconnected while fitting or removing the HDD. Do not assume that an adapter for a camera is suitable for the recorder.

03 / FIRST-TIME SETUP

Activate your system

Use the local monitor and USB mouse for initial configuration.

1 Create the administrator password.

At first startup or after a reset, complete **Activation**. The administrator username is **admin**. Follow the password rules shown on screen; use the supported length and character combinations. Use a strong, unique password.

2 Set camera credentials and recovery options.

The **Channel password** is the password used to connect to cameras. Existing cameras must use their actual login details. Configure a recovery email and security questions if available. Pattern unlock is optional and can be skipped.

3 Run the setup wizard and configure the network.

Choose **Start Wizard**. For a normal router connection, enable **DHCP** to obtain the LAN address automatically. Check the IP address, gateway and DNS. Use static settings only if your installer has provided them. Leave automatic port mapping disabled unless your installer requires it.

4 Set the clock correctly.

Choose your local time zone, date and time. Enable NTP synchronisation where available, or set the clock manually and save with **Modify Time**. Check daylight-saving settings for the installation location. Correct time is essential for finding recordings.

5 Add and check the cameras.

Open the wizard camera screen or **Channel > Camera**. Compatible PoE cameras may be added automatically. Otherwise search, select a camera, enter its credentials and add it. Verify an online status and live image on each of the four channels.

6 Complete the remaining wizard screens.

Check the disk, configure P2P only if remote access is required, and choose an output resolution supported by your monitor. Finish the wizard. Disk formatting and recording setup are covered on page 5.

IF A CAMERA DOES NOT APPEAR

Check its PoE connection and cable first. In **Channel > Camera**, confirm its username and password. For a manually added camera, enter its IP address, port and supported protocol, such as Private or ONVIF. A camera added over the LAN must be reachable on the appropriate network. Ask your installer before changing camera or internal PoE network settings.

Before continuing

Confirm all required cameras show a live image. A live picture alone does not prove that video is being recorded.

04 / NETUS APP

Add your NVR to NETUS App

Connect your phone and NVR to the same local network, then add the detected recorder.

Before pairing

Power on and activate the NVR, and connect its LAN port to your router with an Ethernet cable. Confirm that the cameras show live video on the local monitor. For a new installation, complete pages 2-3 first.

1 Open NETUS App and sign in.

Open the NETUS App on your phone and sign in to your account. If you are a new user, complete the account registration steps shown in the app.

2 Join the same local network.

Connect your phone to the Wi-Fi network provided by the same router as the NVR. The NVR stays connected to the router through its LAN port. Avoid a guest Wi-Fi network that isolates devices from one another.

3 Allow local device discovery.

Allow the local-network or nearby-device permissions requested by the app, where applicable. Keep the NVR powered on and connected while the app searches.

4 Find and select the NVR.

Open the device-add screen and wait for automatic discovery. Select your recorder from the detected devices. The exact button labels may vary with the app version.

5 Complete the on-screen setup.

Follow the NETUS App prompts to finish adding the recorder. Enter device credentials only if requested. Give the NVR a recognisable name and choose its room or location if offered.

6 Check live view and remote access.

Open the added NVR and check each camera channel. Once local viewing works and the router has internet access, switch the phone to mobile data and test remote viewing. For alerts, enable the required event actions and app notification permissions.

IF THE NVR IS NOT DISCOVERED

Check that the phone and NVR are on the same local network, that the NVR LAN cable is connected, and that local-network permissions are enabled. Avoid guest Wi-Fi or client isolation, reopen the device-add screen and search again. If the recorder still does not appear, contact NETUS or your installer with its firmware version.

05 / STORAGE & RECORDING

Record video and audio

Check every required channel, then make and play back a short test recording.

PREPARE THE HDD

- 1 Open Record > Disk.**
Confirm the HDD is detected and inspect its status and capacity. A new drive may need formatting in the recorder before it can be used.
- 2 Format only the intended drive.**
Select the correct drive, choose **Format** and confirm only after backing up anything you need. **Formatting permanently erases the data on that drive.** Wait for completion and check its status again.
- 3 Choose what happens when storage fills.**
Enable recording overwrite if you want the oldest recordings replaced automatically. Check **Record expiration**: a non-zero value deletes recordings after the chosen age. A value of 0 disables age-based expiration; overwrite is controlled separately.

SET A RECORDING SCHEDULE

- 4 Open Record > Record Schedule.**
Select a channel and enable recording. For continuous recording, select the full day and all seven days. For event recording, select the required event type and times and configure its event action as described on page 7.
- 5 Save and apply to the required channels.**
Use the copy/apply option if you want the same schedule on other channels, then save. If **Record > Storage Mode** is available, ensure every required channel is assigned to the disk group that contains the recording HDD.

RECORD THE CAMERA MICROPHONE

The supplied camera specification includes a **built-in MIC**. In **Channel > Encode**, check the audio encoding options supported by the connected camera. In **Record > Record Schedule**, enable **Record audio** for each required channel and save. Recording audio also requires a camera that is sending an audio stream.

Confirm the result

Record a short clip while speaking near the camera, then play it back with audio enabled on a suitable monitor or computer. A built-in MIC provides audio capture; it does not by itself provide a speaker or two-way talk.

Recording duration depends on HDD capacity, bitrate, resolution, frame rate, channel count and schedule. Check available storage regularly and export important recordings before they are overwritten.

06 / DAILY USE

View, play back and export

Use the bottom toolbar for everyday viewing and recorded video searches.

LIVE VIEW

Move the mouse pointer to the bottom of the live screen to reveal the toolbar. Use the layout control to choose a single camera or split view. The toolbar also provides volume, playback and channel information. Open the home menu for system settings, logout and power options.

FIND A RECORDING

- 1 Open Playback and select the channels.**
Select the camera or cameras you want to review, then choose a date. A blue mark under a date indicates that some video exists for that day; it does not guarantee that every channel has a recording.
- 2 Choose a time on the timeline.**
Use the record-type filter if needed. In the playback timeline, **blue** is scheduled recording, **yellow** is manual recording and **red** is alarm recording. Select the desired time and start playback.
- 3 Review the clip.**
Use play/pause, forward/back, playback speed and the timeline to locate the event. Enable audio to hear recorded camera sound. An empty timeline usually means no recording exists for the selected channel, time or filter.

SAVE EVIDENCE TO USB

- 4 Insert a USB storage device.**
Use a USB drive with enough free space and confirm that the NVR detects it. In Playback, select the backup start/end control to mark the beginning and end of the desired clip.
- 5 Choose the destination and save.**
Select the offered backup type, destination folder and confirmation options. To export multiple channels, use **Batch backup**, choose the channels, start/end times, stream and destination, then confirm.
- 6 Wait and verify.**
Check the **Backup List** until export is complete before removing the USB drive. Open the exported file on a computer and verify the camera, timestamps, picture and audio. Some formats may require the supplier's playback software.

Keep important footage separately

Export before changing storage settings or formatting a disk. Confirm the exported copy plays correctly before relying on it as your saved record.

07 / EVENT SETUP

Configure motion events

Detection, recording and notification are separate settings. Test all three where required.

- 1 Open Alarm > Motion Detection.**
Select a camera channel and enable motion detection. Available options depend on the connected camera and firmware.
- 2 Draw the detection area.**
Open **Area**, drag with the left mouse button to select the area and adjust sensitivity. Double-click an area to delete it where supported. Focus on the space you need to monitor and avoid unnecessary background movement.
- 3 Set the active times.**
Open **Schedule** and choose the days and times when detection should be active. Save the settings. Repeat or copy them to the required channels.
- 4 Choose the event actions.**
Enable the actions you need, such as event recording, monitor pop-up or buzzer. App push, email and other actions need their own supporting configuration. Select the recording channels when that option is offered.
- 5 Check the recording schedule.**
In **Record > Record Schedule**, enable recording for the required channel and ensure the event type and time period match your detection setup. Confirm the HDD is ready and has usable recording space.
- 6 Run a real test.**
Walk through the selected area during the active schedule. Confirm an event is generated, then open **Playback > Event**, select the camera, time range and event type, and search. Play the result and verify the desired action occurred.

OPTIONAL SMART DETECTION

If supported by the connected camera and recorder firmware, **Alarm > Intelligent Analysis** may offer rules such as intrusion or line crossing. Configure only the rules shown for your camera, set their active times and recording actions, and test each rule.

Reduce unwanted alerts

Adjust one setting at a time: detection area, sensitivity or active schedule. Re-test in daytime and at night. If recordings work but phone alerts do not, check remote access and app notification permissions separately.

An event entry can exist without playable video if recording was not configured or the footage has expired.

08 / HELP & MAINTENANCE

Keep the system working

Check live video, recorded video and the recorder clock regularly.

■ TROUBLESHOOTING

No image on monitor	Check NVR power, display input and HDMI/VGA cable. If the output resolution was changed, try a compatible display or ask your installer to restore a supported setting.
Camera offline	Check the cable and PoE connection. In Channel > Camera, verify the credentials, protocol and network address. Test with a known-good cable or port.
Live image, no recording	Check Record > Disk for a usable HDD, then the channel recording schedule, overwrite setting and Storage Mode assignment. Check date/time and Playback filters.
No recorded audio	Check camera audio encoding, Record audio for that channel, playback mute/volume and the audio capability of the playback device.
Remote viewing offline	Confirm local viewing works first. Check router internet, NVR gateway/DNS and NETUS App access. If your firmware uses P2P for remote access, check its online status.
Forgotten password	Use Forgot password and a configured recovery method. If recovery is unavailable, contact your supplier. Avoid repeated guesses, which can trigger a temporary lockout.
Wrong recording time	Check System > General: Date and Time, Time Zone and DST. Verify NTP and camera time synchronisation where available.

■ SHUTDOWN, UPDATES AND SUPPORT

For a normal shutdown, choose **System > Maintenance > Shutdown** and wait for completion before switching off or unplugging. Do not disconnect power while formatting, exporting or updating firmware.

Before maintenance, export important video and save configuration where available. Use only firmware approved for the actual recorder. A factory reset requires setup again. For support, collect the firmware version from **System > Information**, camera status, disk status and a description of the problem. Do not share passwords.