ANNKE AU-N46PCK200-V4

ANNKE 16-Channel 12MP NVR Instruction Manual

Model: AU-N46PCK200-V4

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your ANNKE 16-Channel 12MP Network Video Recorder (NVR). This NVR is designed for high-resolution surveillance, supporting up to 12MP cameras and offering 24/7 recording capabilities.



Figure 1: Front and Rear Panel Overview of the ANNKE NVR. The front panel includes power, status, and network indicators, a control panel, and a USB port. The rear panel features multiple camera inputs, audio input/output, VGA/HDMI output, USB ports, and a power input.

What's in the Box



Figure 2: Package Contents. The box typically includes the 4K PoE NVR unit, a 2TB surveillance HDD (pre-installed), a 1M Ethernet cable, a USB mouse, a power adapter, a 1.8M HDMI cable, and a user manual.

- 1x ANNKE 4K PoE NVR
- 1x 2TB Surveillance Hard Drive Disk (HDD)
- 1x 1M Ethernet Cable
- 1x USB Mouse
- 1x Power Adapter
- 1x 1.8M HDMI Cable

- 1x User Manual for NVR

2. Setup

Follow these steps to set up your ANNKE NVR system. Ensure all components are present before beginning installation.

2.1 Unboxing and Initial Inspection

Before connecting, it is recommended to unbox all components and inspect them for any damage. This video provides a visual guide to the unboxing process.

Video 1: ANNKE 16 Channel 4K 12MP NVR Unboxing. This video demonstrates the contents of the NVR package and the initial unboxing steps.

2.2 Connecting the NVR System

This section guides you through the physical connections required for your NVR system. For a visual demonstration, please refer to the video below.

Video 2: How to Connect the ANNKE NVR System? This video provides a step-by-step guide on connecting all necessary components to the NVR.

1. **Power Connection:** Connect the power cable to the power adapter, then plug the power adapter into the NVR's power port. Turn on the NVR power button.
2. **Mouse Connection:** Connect the USB mouse to an available USB port on the NVR.
3. **Monitor Connection:** Plug an HDMI cable into the HDMI port of the NVR and the other end into your monitor. Alternatively, use a VGA cable if your monitor supports it.
4. **Camera Connection (PoE):** Connect your PoE IP cameras to the PoE ports on the back of the NVR using Ethernet cables. The NVR provides both power and data transmission through a single cable.
5. **Network Connection:** Connect the NVR to your router using an Ethernet cable via the LAN port for remote access and network features.

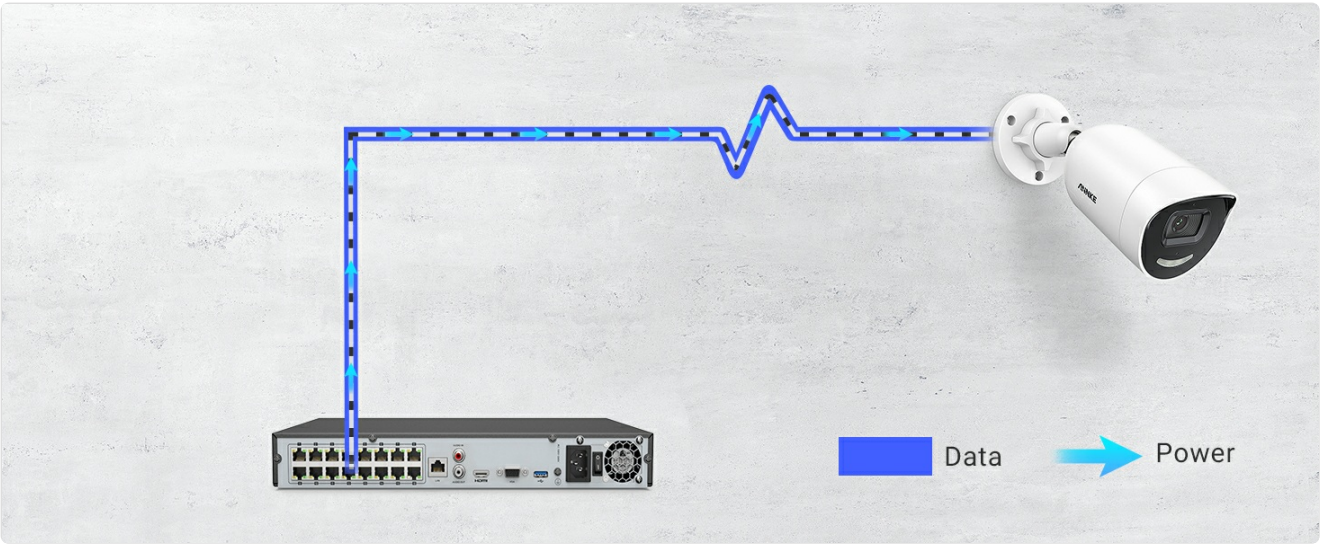


Figure 3: Power over Ethernet (PoE) Setup. This diagram illustrates how a single Ethernet cable provides both data and power to the camera from the NVR, simplifying installation.

3. Operating Instructions

3.1 Initial Setup Wizard

Upon first boot, the NVR will guide you through an initial setup wizard. Follow the on-screen prompts:

1. **Password Creation:** Set a strong password for the NVR device. It is recommended to fill in a password hint or security questions to prevent forgetting the password. The device will not work without activation.
2. **Time Zone & Date Format:** Select your country's time zone and preferred date format. Other options are typically default and do not require immediate changes.
3. **Network Configuration:** The network settings are usually configured by default (DHCP).
4. **Hard Disk Configuration:** If this is the first time using the NVR, you will need to format the hard disk to ensure its status shows 'Normal'. If your recorder does not include a hard disk, you can skip this step.
5. **IP Channel Configuration:** The NVR will automatically recognize and configure new access cameras.
6. **Remote Access Function:** Configure the remote access function (optional). If this feature is not enabled, remote access will not work. Select 'Agree to Terms of Service' in the pop-up window and confirm. You can also name the verification code as desired.
7. **Password Reset Method:** Fill in your email and security questions. This allows you to quickly verify and reset your password if forgotten.

After completing the wizard, right-click on the monitoring interface and select 'Menu' to enter the configuration page. You can authenticate and log back into your account by unlocking the pattern or entering the password.

3.2 Output Resolution Setting

You can adjust the system output resolution to match your monitor's resolution, ensuring proper display. If the resolution is not set correctly, the display may appear distorted or blank. This is not a device failure.

Video 3: How to Set the Output Resolution for ANNKE NVR System? This video demonstrates how to navigate the NVR menu to adjust the display resolution.

3.3 Adding Third-Party Cameras

The ANNKE NVR supports third-party IP cameras. Follow these steps to add them to your system:

Video 4: How to Add A Third-party Camera to ANNKE NVR & System? This video guides you through the process of integrating non-ANNKE cameras.

1. Navigate to the camera settings interface.
2. Select a channel whose status indicates that an IP camera does not exist from the added device list.
3. Click 'Edit' and change the adding method to 'Manual'.
4. Enter the IP address of the camera you wish to add.
5. Change the protocol to ONVIF (if supported by the camera).
6. Input the ONVIF port (this depends on the IP camera's settings).
7. Input the username and password for the ONVIF protocol of the IP camera.
8. Click 'OK'. The status of the IP camera should then show 'Online' if the parameters are correct.

3.4 Camera Display Settings (Dual-Light Camera)

You can modify various display parameters for your cameras, including the camera name, watermark, day/night switching, and other image settings. This is particularly useful for dual-light cameras.

Video 5: Camera Display Setting for Smart Dual Light Camera. This video demonstrates how to adjust various display and image

settings for your cameras.

The system parameters are generally set to default and do not typically require specific adjustments unless you have particular preferences or requirements.

4. Maintenance

4.1 Hard Drive Management

The NVR comes with a pre-installed 2TB surveillance-grade hard drive, built for 24/7 operation. The system supports up to 16TB HDD capacity. Regular formatting of the hard drive is recommended upon initial setup and periodically as needed to maintain optimal performance and ensure proper recording functionality.



Figure 4: H.265+ Video Compression. This image illustrates the significant storage savings achieved with H.265+ compression compared to H.264, maximizing recording duration.

4.2 Video Compression

The NVR utilizes H.265+ video compression technology. This advanced compression method significantly reduces file sizes and bandwidth usage compared to older H.264 standards, without compromising video quality. This allows for longer recording times on the same hard drive capacity and more efficient remote viewing.

4.3 Data Security

The ANNKE NVR ensures data security through local storage and bank-level encryption protocols. This protects your surveillance footage from unauthorized access and ensures privacy.

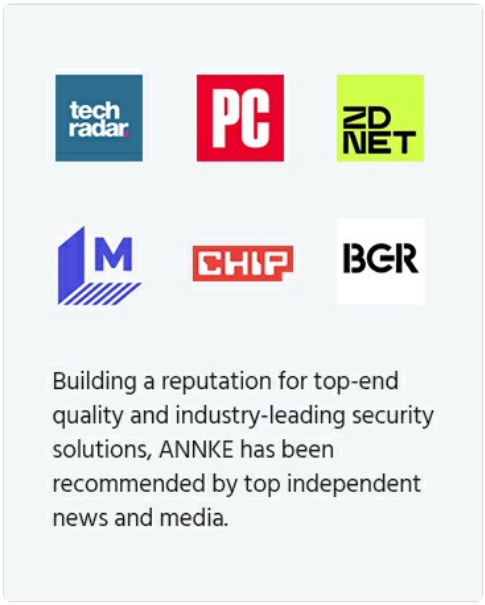


Figure 5: Customer Support. ANNKE provides comprehensive customer support, including after-sale assistance, quick responses, solutions tailored to user needs, and lifetime technical help.

5. Troubleshooting

If you encounter issues with your ANNKE NVR, consider the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to both the NVR and a working power outlet. Check the NVR's power switch.
- **No Display on Monitor:** Verify that the HDMI or VGA cable is correctly connected to both the NVR and the monitor. Ensure the monitor is powered on and set to the correct input source. Check the NVR's output resolution settings as described in Section 3.2.
- **No Camera Feed:** Confirm that all PoE cameras are properly connected to the NVR's PoE ports with functional Ethernet cables. Check the camera status in the NVR's interface. Ensure the cameras are powered on.
- **No Remote Access:** Verify the NVR is connected to your router via the LAN port. Check network settings in the NVR interface and ensure the remote access function is enabled and configured correctly (Section 3.1). Ensure your mobile device has a stable internet connection.
- **Hard Drive Not Recording:** Check the hard drive status in the NVR's storage settings. If it's not 'Normal', it may need to be formatted (this will erase all data). Ensure recording schedules are properly configured.

For persistent issues or advanced troubleshooting, please refer to the comprehensive user manual provided with your NVR or contact ANNKE customer support.

6. Specifications

Feature	Detail
Product Dimensions	1 x 1 x 1 inches
Item Weight	9.48 pounds
ASIN	B081NDS9TR
Item Model Number	AU-N46PCK200-V4
Date First Available	November 18, 2019
Manufacturer	ANNKE
Connectivity Technology	Ethernet
Compatible Devices	Camera
Brand	ANNKE
Memory Storage Capacity	2 TB (expandable up to 16TB)
Hard Disk Size	2 TB

7. Warranty and Support

Your ANNKE NVR comes with a standard return policy, typically allowing returns or replacements within 30 days of purchase. Additionally, various protection plans are available for extended coverage:

- **2-Year Protection Plan:** Available for a one-time payment of $30.99.
- **3-Year Protection Plan:** Available for a one-time payment of $39.99.
- **Asurion Complete Protect:** A monthly plan covering all eligible past and future purchases for $16.99.

For technical assistance, ANNKE provides customer support and lifetime technical help. The product is sold by Security ANNKE Technology and fulfilled by Amazon.



For further assistance, visit the official ANNKE store or contact customer service.

ANNKE Official Store