SANNCE 3216559295

SANNCE 960H Dome Security Camera User Manual

Model: 3216559295

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SANNCE 960H Dome Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

Image 1.1: Front view of the SANNCE 960H Dome Security Camera.

Product Features:

- **800TVL Video Resolution:** Delivers clear video images.
- **Day & Night Monitoring:** Equipped with infrared LEDs for up to 100ft (30m) night vision.
- **Smart IR Cut:** Ensures accurate color reproduction during the day and enhanced brightness in low-light conditions.
- **High Compatibility:** Works with most analog DVRs (960H, 720P, 1080P, 5MP, 4K).
- **IP66 Weatherproof:** Durable housing suitable for both indoor and outdoor use.

2. Package Contents

Please check the package contents upon receipt. If any items are missing or damaged, contact your retailer.

- SANNCE 960H Dome Security Camera
- Mounting Screws and Plugs
- User Manual (this document)

Note: Power supply and video cable are not included and must be purchased separately.

3. SETUP AND INSTALLATION

3.1 Camera Components

IP66 metal housing
durable and weatherproof

Camera

4.6mm HD lens
wider viewing angle

24 LEDs
Up to 85ft night vision

Glass cover
Not fear of rain,dust
or fog

Video output
High definition
video output

Power port
12V power input

IR-CUT filter
for stunnning day and
night vision

Image 3.1: Exploded view showing camera components including IP66 metal housing, 4.6mm HD lens, 24 LEDs for night vision, glass cover, video output, power port, and IR-CUT filter.

- **IP66 Metal Housing:** Durable and weatherproof for outdoor use.
- **4.6mm HD Lens:** Provides a wider viewing angle.
- **24 LEDs:** For night vision up to 100ft.
- **Glass Cover:** Protects the lens from environmental elements.
- **Video Output:** BNC connector for high definition video output.
- **Power Port:** 12V DC power input.
- **IR-CUT Filter:** For accurate color during the day and enhanced night vision.

3.2 Mounting the Camera

The camera is designed for wall mounting and can be used both indoors and outdoors due to its IP66 weatherproof rating.

1. Choose a suitable location for installation, ensuring optimal viewing angle and coverage.
2. Use the camera base as a template to mark the screw holes on the mounting surface.
3. Drill pilot holes and insert the provided wall plugs if mounting on masonry.
4. Secure the camera base to the surface using the mounting screws.
5. Adjust the camera's angle to achieve the desired field of view.

Image 3.2: The compact design allows for easy handling during installation.

3.3 Connecting the Camera

The SANNCE 960H Dome Security Camera requires a 12V DC power supply and a BNC video cable for connection to a compatible DVR.
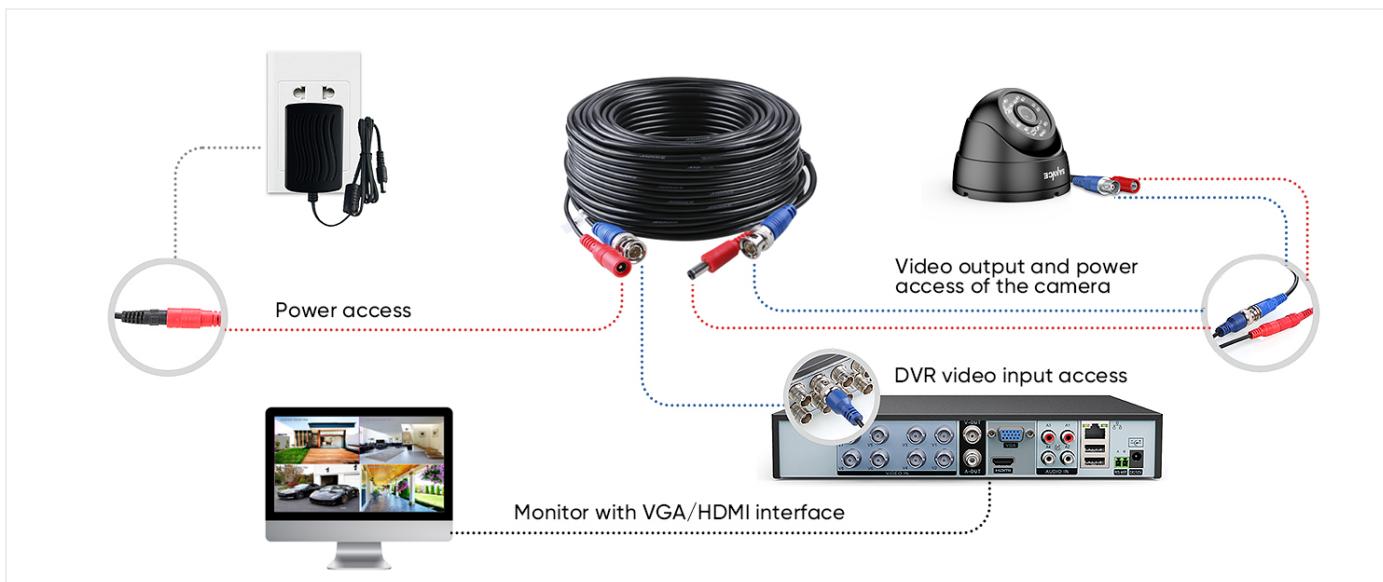

Image 3.3: Typical connection diagram showing camera, power access, video cable, DVR, and monitor.

1. Connect the camera's power input to a 12V DC power supply (not included).
2. Connect the camera's BNC video output to a BNC input port on your DVR using a video cable (not included).
3. Ensure all connections are secure.
4. Power on the DVR and monitor to verify the camera feed.

3.4 Video Format Switching (OSD Menu)

This camera supports multiple video formats (AHD, TVI, CVI, CVBS) to ensure compatibility with various DVRs. You can switch between formats using the OSD (On-Screen Display) joystick located on the camera's cable.
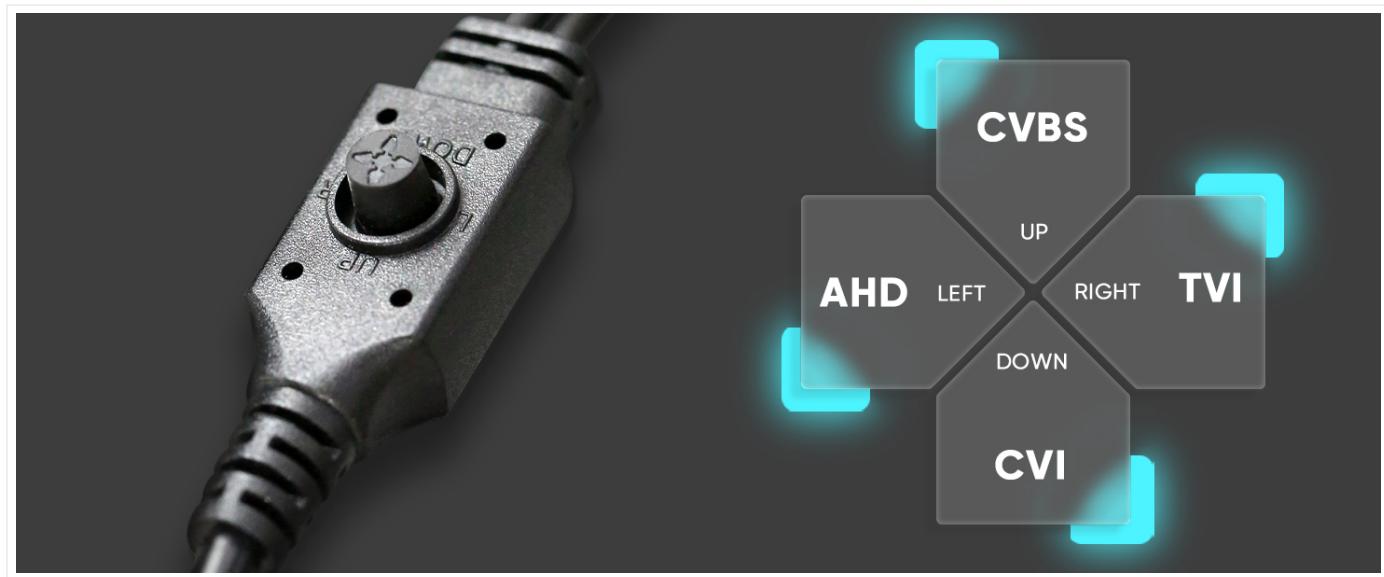

Image 3.4: OSD joystick for selecting video output format (AHD, TVI, CVI, CVBS).

To switch formats:

- **Up:** CVBS
- **Down:** CVI
- **Left:** AHD
- **Right:** TVI

Press and hold the joystick in the desired direction for approximately 5 seconds until the video format changes on your monitor.
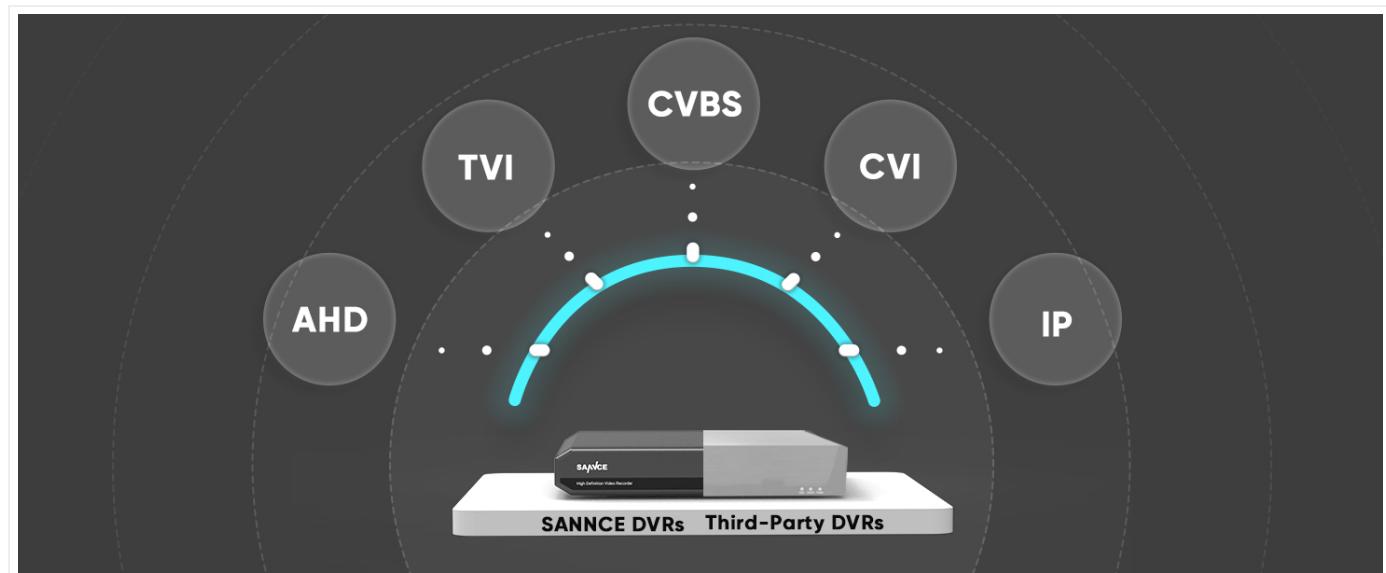

Image 3.5: The camera supports AHD, TVI, CVI, and CVBS formats for broad DVR compatibility.

4. OPERATION

4.1 Day and Night Vision

The camera automatically switches between day (color) and night (black and white infrared) modes based on ambient

light conditions. The Smart IR Cut filter ensures optimal image quality in both modes.
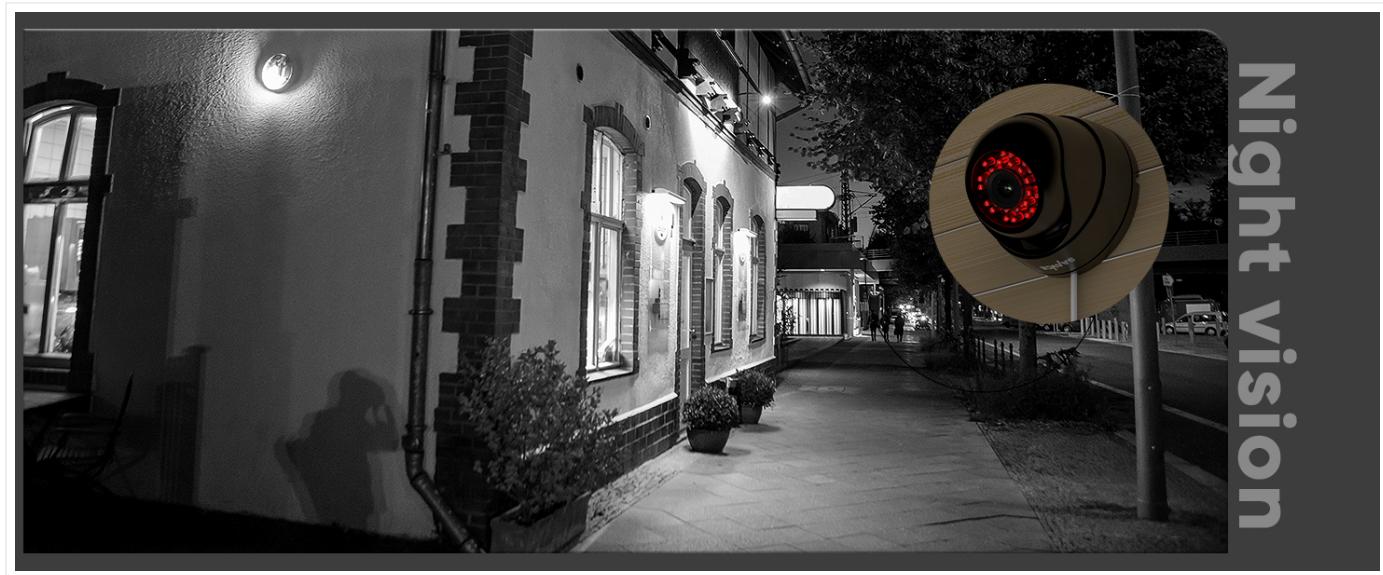

Image 4.1: Example of night vision capability, showing clear infrared illumination.

4.2 Video Recording and Playback

Video recording and playback are managed through your connected DVR system. Refer to your DVR's user manual for specific instructions on configuring recording schedules, motion detection, and accessing recorded footage.

The camera provides an 800TVL resolution feed. When connected to a compatible DVR, it can be integrated into systems supporting 960H, 720P, 1080P, 5MP, or 4K resolutions, depending on the DVR's capabilities and the selected camera output format.
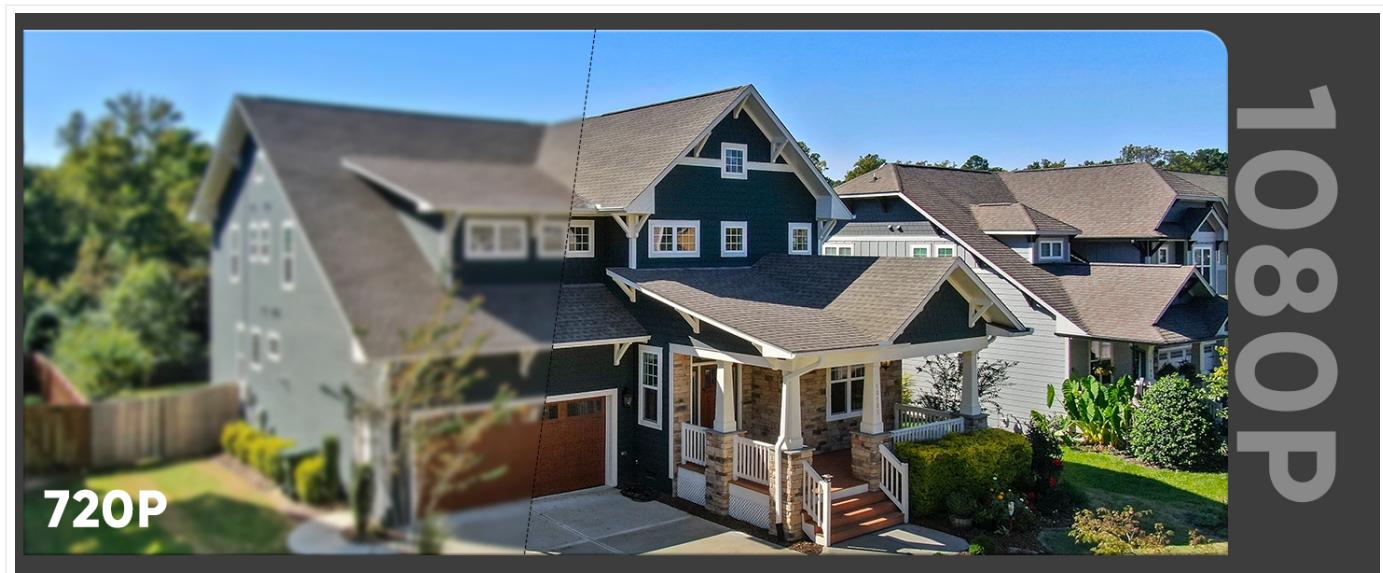

Image 4.2: Illustrative comparison of video resolutions, demonstrating clarity differences.

5. MAINTENANCE

5.1 Cleaning the Camera

Regular cleaning of the camera's glass cover is recommended to ensure clear image quality. Use a soft, damp cloth to gently wipe the lens and housing. Avoid abrasive cleaners or solvents that could damage the camera's finish or lens coating.

Image 5.1: The camera's IP66 rating ensures protection against water and dust, simplifying outdoor maintenance.
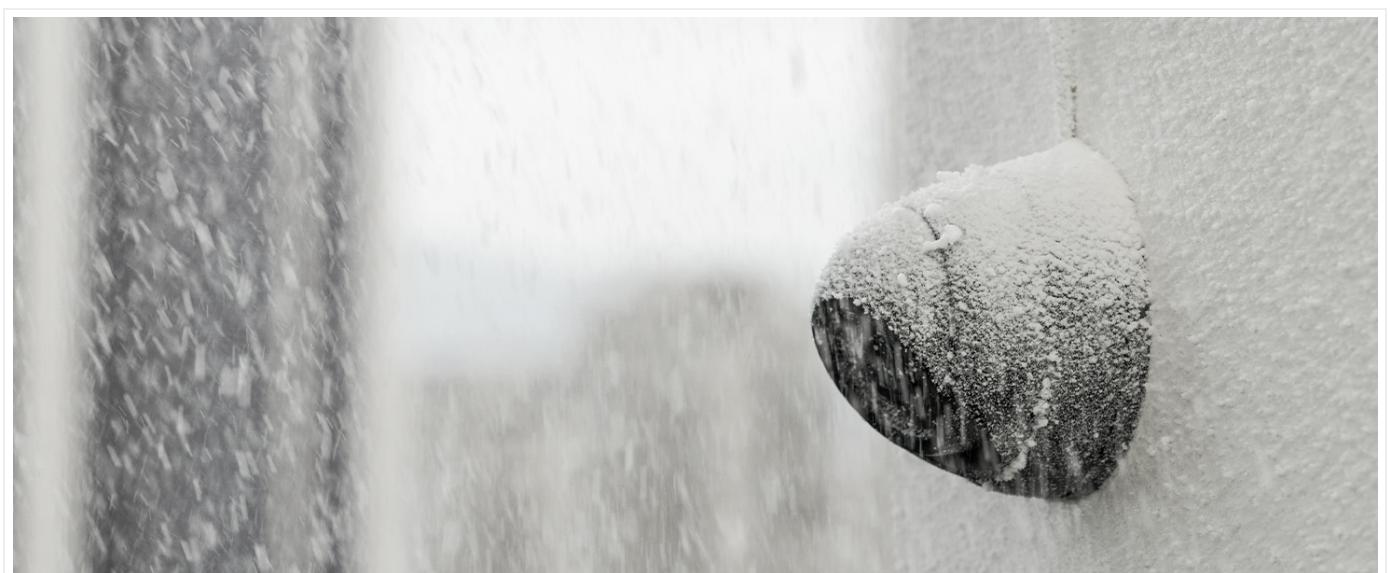
Image 5.2: The camera is designed to withstand various weather conditions, including snow.

Image 5.3: The IP66 rating also ensures protection during rainy conditions.

5.2 Environmental Considerations

While the camera is IP66 rated, avoid directing it towards direct sunlight or strong light sources for extended periods, as this can affect image sensor longevity and performance. Ensure proper ventilation if installed in an enclosed space, though its primary design is for open indoor/outdoor environments.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal	- No power to camera - Loose video cable connection - Incorrect video format selected - DVR input issue	- Check power supply and connections. - Ensure BNC cable is securely connected to both camera and DVR. - Use the OSD joystick to switch video formats until compatible with your DVR. - Test with another camera or DVR input.
Poor image quality (blurry/distorted)	- Dirty lens/glass cover - Cable interference - Incorrect DVR settings	- Clean the camera's glass cover. - Ensure video cables are not running parallel to power cables. - Check DVR settings for resolution and display.
Night vision not working or poor	- IR LEDs obstructed - Insufficient power - Ambient light interference	- Ensure nothing is blocking the IR LEDs. - Verify the power supply provides adequate voltage and current. - Avoid strong light sources near the camera at night.

For further assistance, please contact SANNCE customer support or refer to the support section on the SANNCE website.

7. SPECIFICATIONS

Feature	Detail
Model Number	3216559295
Video Resolution	800TVL (compatible with 960H, 720P, 1080P, 5MP, 4K DVRs)
Night Vision Range	Up to 100 feet (30 meters)
IR LEDs	24 LEDs
Lens	4.6mm HD Lens
Field Of View	80 Degrees
Connectivity	Analog (BNC)
Supported Video Formats	AHD, TVI, CVI, CVBS (switchable via OSD)
Power Source	12V DC (Corded Electric)
Weatherproof Rating	IP66
Mounting Type	Wall Mount
Material	Plastic (Housing)
Item Weight	10.8 ounces
Dimensions	3.86 x 3.82 x 3.11 inches (Package Dimensions)
Operating Environment	Indoor, Outdoor

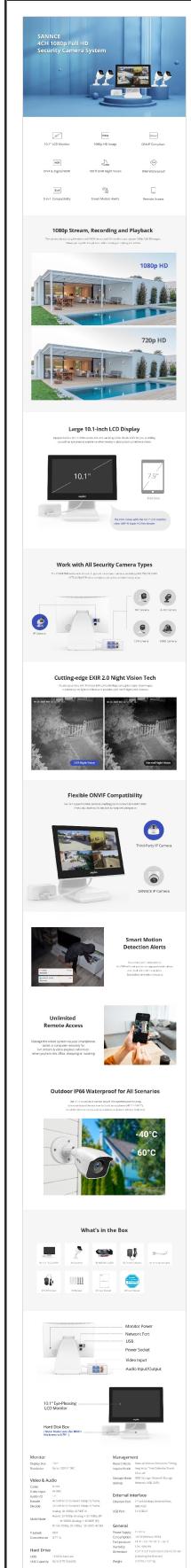Image 7.1: Approximate dimensions of the SANNCE Dome Security Camera.

8. Support and Contact Information

For technical support, warranty information, or further inquiries, please visit the official SANNCE website or contact their customer service department.

SANNCE Official Website: www.sannce.com

Note: Specific contact details may vary by region. Please check the website for the most up-to-date information.

Related Documents - 3216559295

[SANNCE NVR N48PBE and IP Camera I51BE Technical Specifications](#)

Detailed technical specifications for the SANNCE NVR model N48PBE and IP Camera model I51BE, covering video and audio features, storage, connectivity, camera sensor details, environmental ratings, and physical dimensions.

[SANNCE 4-Channel 1080p Full HD Security Camera System with 10.1" LCD Monitor](#)

Comprehensive details on the SANNCE 4-channel 1080p Full HD security camera system, featuring a 10.1" LCD monitor, ONVIF compatibility, EXIR 2.0 night vision, IP66 waterproofing, and smart motion alerts for remote access and monitoring.

[SANNCE Network Video Recorder User Manual](#)

Comprehensive user manual for the SANNCE Network Video Recorder (NVR), detailing setup, operation, and system settings for smart home security.

[SANNCE N48WHE Quick Start Guide: Installation and Setup](#)

A concise guide to installing and setting up your SANNCE N48WHE security camera system, covering connection diagrams, camera addition, safety instructions, and regulatory information.

[Sannce NVR Quick Start Guide](#)

A quick start guide for Sannce NVR systems, covering connection diagrams, setup wizards, system settings, and remote access via mobile phones and computers. Includes instructions for language settings, network setup, date and time configuration, storage management, camera preview, password setup, app download, video detection, email settings, video playback, and adding wireless cameras.

[SANNCE NVR N48PBE and IP Camera I51BE Technical Specifications](#)

Detailed technical specifications for the SANNCE NVR model N48PBE and IP Camera model I51BE, covering video and audio features, storage, connectivity, camera sensor details, environmental ratings, and physical dimensions.