

## PNI AHD25

# PNI House AHD25 5MP Dome CCTV Camera User Manual

Model: AHD25

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## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your PNI House AHD25 5MP Dome CCTV Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. The PNI House AHD25 is a versatile surveillance camera designed for both indoor and outdoor use, featuring high-resolution imaging and night vision capabilities.

## 2. SAFETY INFORMATION

- Ensure the power supply voltage matches the camera's requirements (12V  $\pm$  10%).
- Do not expose the camera to extreme temperatures outside its operating range (-26°C to +80°C).
- Avoid direct exposure to water jets or submersion, despite its IP66 rating, to prevent damage.
- Installation should be performed by qualified personnel if you are unsure about electrical connections.
- Keep the camera away from strong magnetic fields.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- PNI House AHD25 5MP Dome CCTV Camera
- User Manual
- Mounting Screws and Plugs (typically included)



Camera supraveghere video

# PNI House AHD25



- ☑ 5MP
- ☑ 3.6mm

- ☑ de exterior/interior
- ☑ AHD, TVI, CVI, CVBS





*Image 3.1: PNI House AHD25 camera with its retail packaging, highlighting key features like 5MP resolution and 4-in-1 video signal compatibility.*

## 4. PRODUCT OVERVIEW

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The PNI House AHD25 camera is a compact dome-style surveillance unit. Key components include:

- **Lens:** Fixed 3.6mm lens for a wide field of view.
- **IR LEDs:** 36 infrared LEDs for night vision up to 25 meters.
- **Sensor:** 5MP image sensor for high-resolution video.
- **Housing:** Durable metal housing with IP66 weather resistance.
- **Video Output:** BNC connector for analog video output.
- **Power Input:** DC 12V power input.



*Image 4.1: Close-up front view of the PNI House AHD25 camera, detailing the central lens surrounded by 36 infrared LEDs.*





*Image 4.2: The PNI House AHD25 camera shown with its integrated BNC video output cable and DC power input cable.*

## 5. SETUP

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### 5.1 Mounting the Camera

The PNI House AHD25 camera is designed for both indoor and outdoor ceiling mount installations. Its metal housing and IP66 rating ensure durability in various environments.

1. Choose a suitable mounting location that provides the desired field of view and is within reach of power and video cables.
2. Use the camera base as a template to mark drilling points on the ceiling or wall.
3. Drill pilot holes and insert the provided wall plugs (if mounting on masonry).
4. Secure the camera base using the provided screws.
5. Adjust the camera's angle to achieve the optimal viewing area.



*Image 5.1: Side view of the PNI House AHD25 camera, illustrating its adjustable dome mechanism for precise positioning after mounting.*

## 5.2 Connecting the Camera

The camera requires a 12V DC power supply and connects via a BNC cable for video transmission.

1. Connect the DC 12V power adapter (not included) to the camera's power input cable.
2. Connect the BNC video output cable from the camera to the corresponding video input on your Digital Video Recorder (DVR) or monitor.
3. Ensure all connections are secure to prevent signal loss.

**Note:** This camera supports AHD, TVI, CVI, and CVBS video signal types. Ensure your DVR is compatible with one of these formats. The camera's video signal type can typically be switched via a small button or OSD menu accessible through a compatible DVR.

## 6. OPERATION

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### 6.1 Powering On

Once the camera is securely mounted and connected to power and your DVR, plug in the 12V power adapter. The camera will power on automatically.

## 6.2 Video Output and Resolution

The PNI House AHD25 provides a 5MP resolution (2560 x 1920 pixels) for clear and detailed surveillance footage. It is compatible with various analog video signal types: AHD, TVI, CVI, and CVBS. This 4-in-1 compatibility allows integration with a wide range of DVR systems.

To ensure optimal image quality, configure your DVR to recognize the camera's 5MP resolution and the correct video signal type. Refer to your DVR's manual for specific settings.

## 6.3 Night Vision

Equipped with 36 IR LEDs, the camera automatically activates night vision in low-light conditions, providing clear black and white images up to a distance of 25 meters. The IR cut filter ensures accurate color reproduction during daylight hours.

## 6.4 Motion Detection and Alerts

The camera supports motion-only alerts. When connected to a compatible DVR, you can configure motion detection zones and sensitivity settings. The DVR will then record footage or send notifications upon detecting movement within the specified areas.

## 6.5 Remote Control and Smartphone Compatibility

While the camera itself is wired, its integration with a Wi-Fi enabled DVR or NVR system allows for remote control and viewing via a smartphone application. Consult your DVR/NVR manual for details on setting up remote access and smartphone compatibility.

# 7. MAINTENANCE

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Cable Inspection:** Regularly check all cables for signs of wear or damage, especially for outdoor installations.
- **Firmware Updates:** If connected to a network-enabled DVR, check the DVR manufacturer's website for any available firmware updates that might improve camera compatibility or performance.
- **Environmental Protection:** The IP66 rating protects against dust and powerful water jets. However, avoid prolonged submersion or high-pressure washing.

# 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	No power to camera Loose video cable connection Incorrect video signal type DVR incompatibility	Check power adapter and connection. Ensure BNC cable is securely connected to camera and DVR. Verify camera's video signal type (AHD, TVI, CVI, CVBS) matches DVR settings. Confirm DVR supports 5MP resolution and the camera's signal type.

Problem	Possible Cause	Solution
Poor image quality / blurry image	Dirty lens	Clean the camera lens with a soft cloth.
	Incorrect DVR settings	Adjust DVR resolution settings to 5MP.
	Insufficient lighting (at night)	Ensure IR LEDs are functioning; check for obstructions.
Night vision not working	IR LEDs not activating Insufficient power	Check if the environment is dark enough to trigger IR. Verify power supply is stable and sufficient.

## 9. SPECIFICATIONS

Feature	Detail
Model Name	AHD25
Image Sensor Resolution	5 MP (2560 x 1920 pixels)
Lens	3.6 mm Fixed Lens
Night Vision	36 IR LEDs, up to 25 meters range
Minimum Illumination	0.01 lux
Video Signal Types	AHD, TVI, CVI, CVBS (4-in-1)
Video Output	BNC Connector (1.0Vp-p, 75Ω)
Power Supply	DC 12V ± 10%
Max. Energy Consumption	6 W
Operating Temperature	-26°C ~ +80°C
Ingress Protection Rating	IP66 (Dust tight and protected against powerful water jets)
Housing Material	Metal
Dimensions (L x W x H)	3.94 x 4.13 x 2.76 inches (100 x 105 x 75 mm)
Item Weight	8.6 ounces (245 Grams)
Color	White
Manufacturer	Onlineshop SRL
Date First Available	August 16, 2022





Image 9.1: Bottom view of the PNI House AHD25 camera, showing the product label with manufacturer details, voltage, and CE mark. The serial number is [2522031996](#).

## 10. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official PNI website. Keep your purchase receipt as proof of purchase for warranty claims.

You can also visit the [PNI Store on Amazon](#) for additional product information and support resources.