

Hanwha Vision PNM-9022V

Hanwha Vision PNM-9022V P-Series 8MP Panoramic Vandal Dome IP Camera User Manual

Model: PNM-9022V

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the Hanwha Vision PNM-9022V P-Series 8MP Panoramic Vandal Dome IP Camera. This camera is designed for high-resolution video surveillance in various environments, offering robust performance and wide area coverage.

Please read this manual thoroughly before using the product to ensure proper and safe operation.

2. SAFETY INFORMATION

- Ensure all electrical connections comply with local codes and regulations.
- Do not expose the camera to extreme temperatures, humidity, or corrosive environments.
- Disconnect power before performing any maintenance or installation procedures.
- Only use accessories specified by the manufacturer.
- Handle the camera with care to avoid physical damage.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Hanwha Vision PNM-9022V P-Series 8MP Panoramic Vandal Dome IP Camera
- Mounting Hardware (screws, anchors)
- Installation Template
- Quick Start Guide

Note: Specific contents may vary slightly depending on the region or package version.

4. PRODUCT OVERVIEW

The Hanwha Vision PNM-9022V is an 8MP panoramic vandal dome IP camera designed for comprehensive surveillance. It features a durable dome housing and a fixed 2.8mm lens for wide-angle coverage.



Figure 4.1: Front view of the Hanwha Vision PNM-9022V camera. The image shows a white dome-shaped camera with a dark, transparent lower section revealing the internal camera lenses and components. The "Wisenet" logo is visible on the top white part of the dome.

Key Components:

- **Dome Cover:** Protective, vandal-resistant housing.
- **Camera Module:** Contains the 8MP sensor and 2.8mm fixed lens.
- **Mounting Base:** For secure installation on walls or ceilings.
- **Ethernet Port (PoE+):** For network connection and power supply.
- **Micro SD/SDHC/SDXC Slots:** Two slots for local storage.

5. SETUP AND INSTALLATION

5.1 Site Selection

Choose a location that provides optimal coverage and is within range of your network infrastructure. Consider lighting conditions and potential obstructions.

5.2 Mounting the Camera

1. **Prepare the Surface:** Ensure the mounting surface is clean, flat, and strong enough to support the camera's weight.
2. **Use the Template:** Place the provided installation template on the desired mounting location and mark

the drill holes.

3. **Drill Holes:** Drill pilot holes according to the marked points. Insert wall anchors if necessary.
4. **Secure the Base:** Attach the camera's mounting base to the surface using the supplied screws.
5. **Connect Cables:** Route the Ethernet cable through the mounting base and connect it to the camera's Ethernet port. Ensure a secure connection for both data and PoE+ power.
6. **Attach Camera Body:** Secure the main camera body to the mounting base, ensuring it clicks into place or is fastened according to the specific model's mechanism.
7. **Adjust Angle:** Once mounted, adjust the camera's viewing angle as needed.

5.3 Network Connection

The PNM-9022V supports Power over Ethernet (PoE+). Connect the camera to a PoE+ enabled switch or injector using a standard Ethernet cable. The camera will power on automatically.

For initial setup and configuration, access the camera's web interface via its IP address. Refer to the Quick Start Guide for default IP address and login credentials.

6. OPERATING THE CAMERA

6.1 Accessing the Web Interface

Open a web browser and enter the camera's IP address. Log in using the administrator credentials. The web interface allows you to configure all camera settings, including:

- Network settings (IP address, DNS)
- Video and audio settings (resolution, frame rate, compression)
- Recording schedules and storage (SD card, NAS)
- Event detection (motion, tampering) and alarms
- User management and security settings

6.2 Video Monitoring

Live video streams can be viewed directly from the web interface or through compatible Network Video Recorders (NVRs) and Video Management Software (VMS). The panoramic view provides comprehensive coverage of the monitored area.

6.3 Recording and Storage

The camera supports recording to local Micro SD/SDHC/SDXC cards (two slots available) or to network-attached storage (NAS). Configure recording settings, including continuous recording, event-triggered recording, and pre/post-alarm recording, via the web interface.

7. MAINTENANCE

7.1 Cleaning the Camera

- Regularly clean the dome cover with a soft, damp cloth to remove dust and dirt.
- Do not use abrasive cleaners, solvents, or strong detergents, as they may damage the surface.
- For stubborn marks, use a mild soap solution and wipe gently.

7.2 Firmware Updates

Periodically check the Hanwha Vision website for firmware updates. Keeping the firmware updated ensures optimal performance, security, and access to new features. Follow the instructions provided with the firmware update package carefully.

7.3 Environmental Considerations

While the camera is IP66 rated for weather resistance and IK10 rated for vandal resistance, extreme environmental conditions (e.g., prolonged direct sunlight, severe storms) can affect its lifespan. Ensure proper installation to minimize exposure to such conditions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Camera not turning on	No PoE+ power; Faulty Ethernet cable; Power source issue.	Verify PoE+ switch/injector is active; Check Ethernet cable for damage; Ensure power source is adequate.
No video stream	Network connectivity issue; Incorrect IP address; Firewall blocking access.	Check network cable; Verify camera IP address; Disable firewall temporarily or add exception.
Poor image quality	Dirty lens/dome; Low light conditions; Incorrect video settings.	Clean the dome cover; Ensure adequate lighting; Adjust resolution and compression settings in web interface.
Cannot access web interface	Incorrect IP address; Network conflict; Browser compatibility.	Confirm camera's IP address; Check for IP conflicts on network; Try a different web browser.

If the problem persists, contact technical support.

9. SPECIFICATIONS

Feature	Detail
Model Number	PNM-9022V (SQ-PNM9022V)
Resolution	8MP (Effective Video Resolution: 2MP, Video Capture Resolution: 2MP - <i>Note: Discrepancy in source data, prioritizing 8MP from title/description</i>)
Lens	2.8mm Fixed Lens
Frame Rate	30 fps at all resolutions (H.265/H.264/MJPEG)
Connectivity	Wired (PoE+)

Feature	Detail
Storage	Micro SD/SDHC/SDXC 2 slots
Ingress Protection	IP66 (Dust and Water Resistant)
Impact Protection	IK10 (Vandal-Resistant)
Dimensions (L x W x H)	10 x 10 x 5 inches
Indoor/Outdoor Usage	Outdoor
Manufacturer	Hanwha Vision

10. WARRANTY AND SUPPORT

10.1 Warranty Information

For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Hanwha Vision website. Keep your proof of purchase for warranty claims.

10.2 Technical Support

If you encounter any issues that cannot be resolved using the troubleshooting guide, please contact Hanwha Vision technical support. Support contact information can typically be found on the official website or in the product packaging.

When contacting support, please have your product model number (PNM-9022V) and serial number ready.

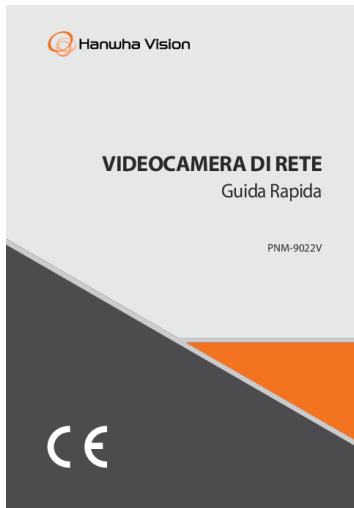


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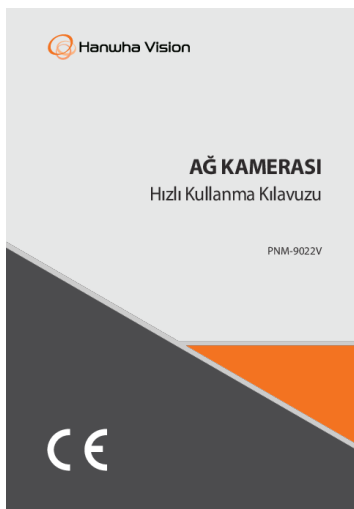
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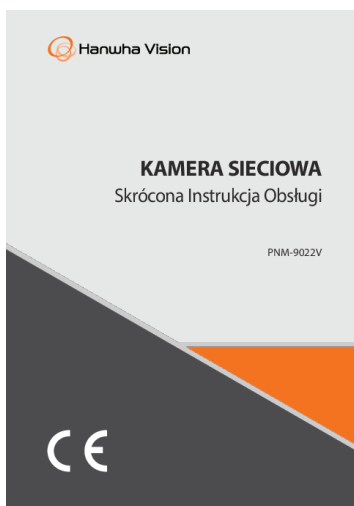
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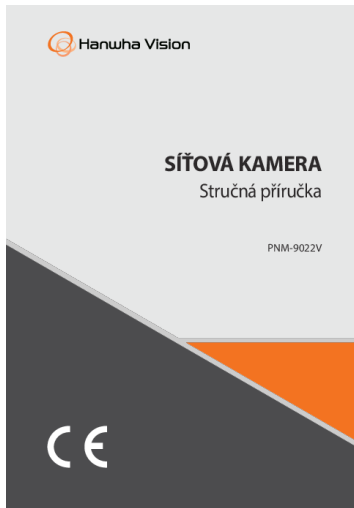
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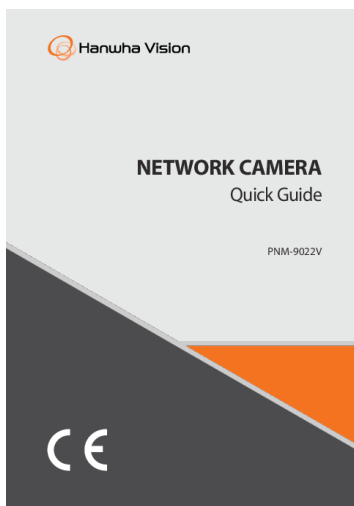
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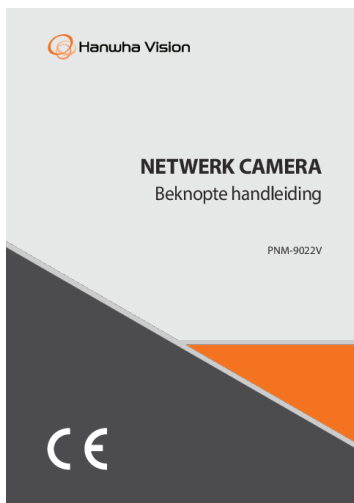
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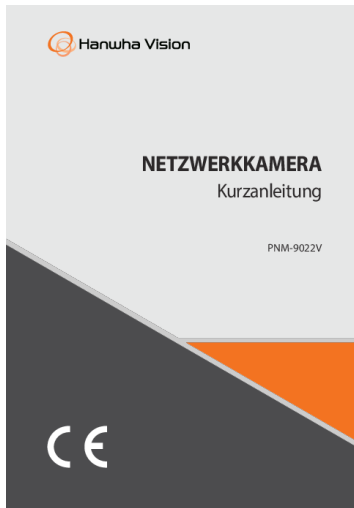
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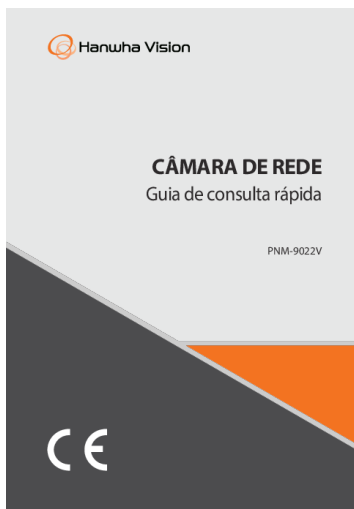
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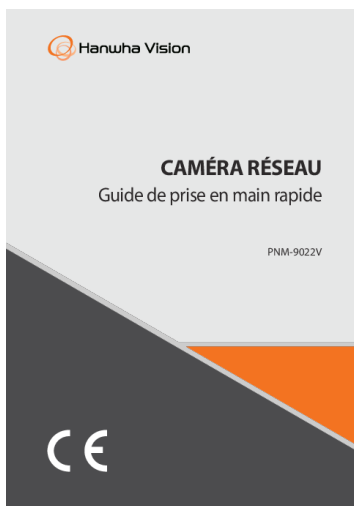
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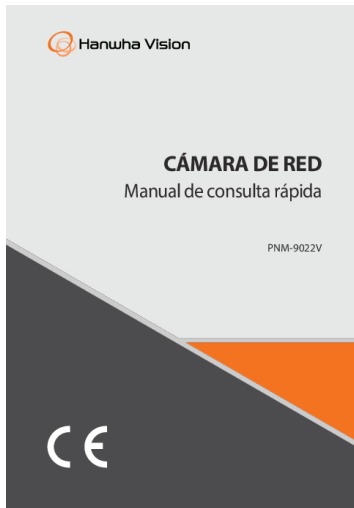
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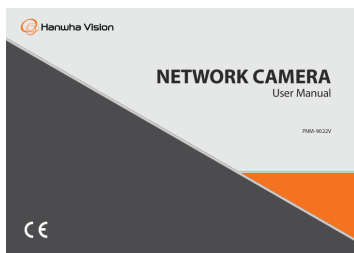
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PNM-9022V PNM-9022V 2MP Panoramic Camera Key Features Compatible
Accessories Optional Max. 2MP x 4CH 209 Mode, 180 Mode support 2.8mm fixed
focal lens x 4 H.265/H.264 : Max. 30fps MJPEG : Max. 30fps extreme WDR 120dB
H.265, H.264, MJPEG codec, WiseStreamII supported Digital PTZ Support...

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Type of equipment PNM 9022V Hanwha Vision Global Solution Provider Certification 230224 EN DoC

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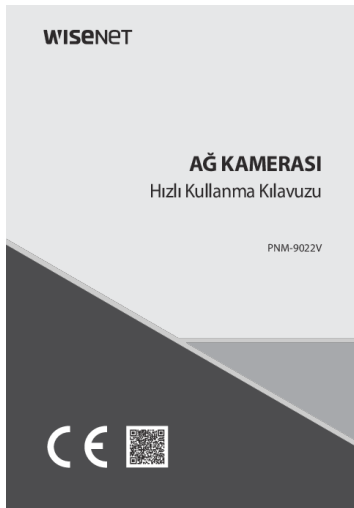
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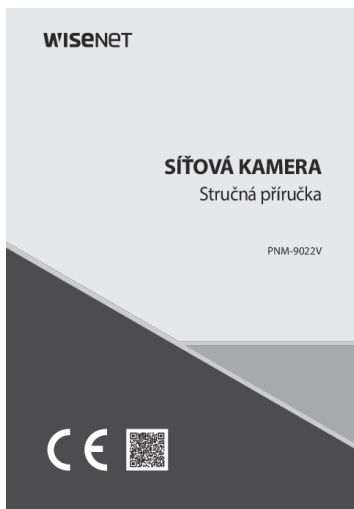


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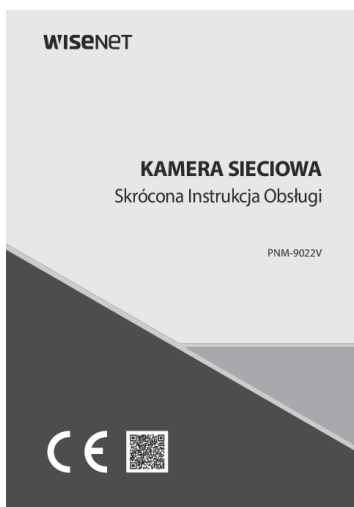
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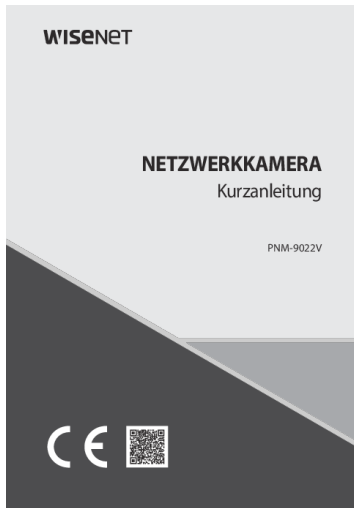
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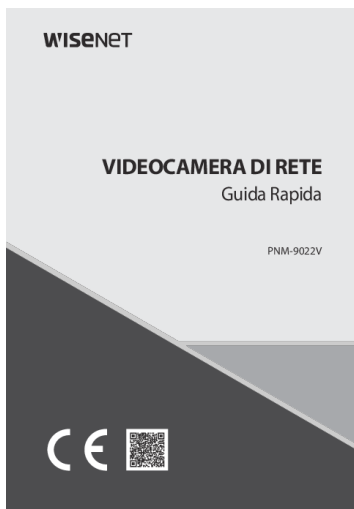
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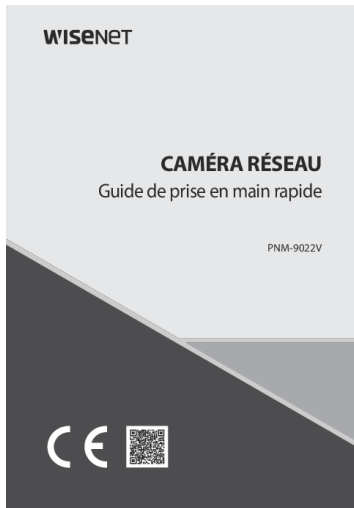
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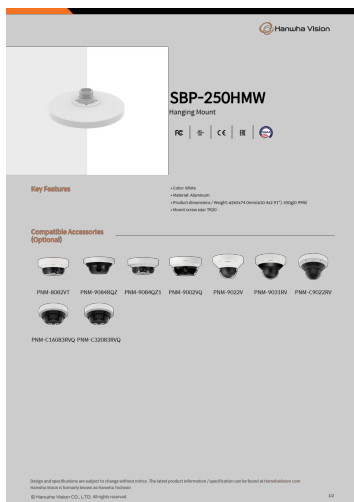
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lang:en **score:34** filesize: 7.07 M page_count: 22 document date: 2020-11-13



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Hanwha Vision White Hanging Cap Adapter Data Sheet All Security Equipment DataSheet v 1700211222
cdn shopify s files 1 0537 7916 9453 |||
SBP-250HMW Hanging Mount Key Features Compatible Accessories Optional Color: White Material: Aluminum Product dimensions / Weight: 265x74.0mm 10.4x2.91 , 450g 0.99lb Mount screw size: TR20 PNM-8082VT PNM-9084RQZ PNM-9084QZ1 PNM-9002VQ **PNM-9022V** PNM-9031RV PNM-C9022RV PNM-C16083RVQ PNM-C32...
lang:en score:34 filesize: 891.07 K page_count: 2 document date: 2023-09-22



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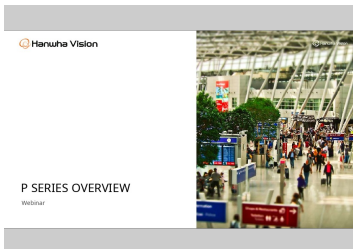
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P SERIES OVERVIEW Webinar Contents P Series product line-up Features Benefits Summary Q A 2 P Se ... different FoVs 24 P Series Panoramic Panoramic 8.3MP IR Panoramic PNM-9031RV 2MP x4 Panoramic **PNM-9022V** 8.3MP 209 Mode, 180 Mode support 2.8mm fixed focal lens x 4 extreme WDR 120dB Wise...

lang:en **score:28** filesize: 13.1 M page_count: 36 document date: 2023-09-14

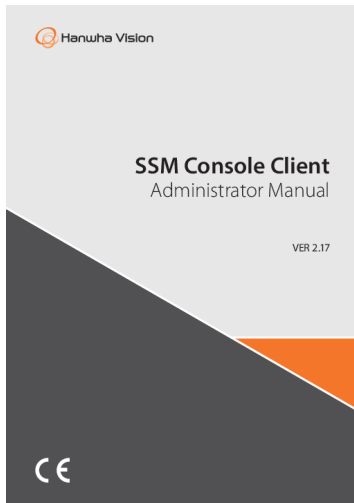


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