Axis Communications 02864-001

Axis P91 Series P9117-PV Network Panoramic Camera User Manual

Model: 02864-001

Product Overview

The Axis P91 Series P9117-PV is a network panoramic camera designed for indoor surveillance. This dome-style camera is dustproof and vandal-proof, offering robust performance in various environments. It captures high-quality color video both day and night, featuring a 6 MP sensor with a resolution of 2160 x 2160. The camera is equipped with a fixed iris diaphragm and fixed focal length, and supports audio capabilities. Connectivity is provided via LAN 10/100, and it supports multiple video compression formats including H.264B, H.264M, H.264H, H.265, and MJPEG.



Figure 1: Axis P9117-PV Network Panoramic Camera. This image shows the white, dome-shaped camera with its clear lens cover and visible mounting points, designed for discreet and durable indoor surveillance.

Setup and Installation

1. Unboxing and Contents

Carefully unpack all components from the box. Verify that all items listed below are present:

- Axis P9117-PV Network Panoramic Camera
- Installation Guide
- Mounting hardware (screws, anchors)
- Cable glands (if applicable)
- Drill template (if applicable)

2. Mounting the Camera

The Axis P9117-PV is designed for ceiling mount installation. Ensure the mounting surface is strong enough to support the camera's weight (approximately 2.12 pounds).

1. Choose a suitable location on the ceiling that provides the desired panoramic view and is within reach of network cabling.
2. Use the provided drill template to mark the drilling holes on the mounting surface.
3. Drill the pilot holes and insert wall anchors if necessary.
4. Secure the mounting bracket (if separate) to the ceiling using the provided screws.
5. Attach the camera body to the mounting bracket, ensuring it is firmly locked in place.

3. Network and Power Connection

Connect the camera to your network and power supply.

- The camera uses an Ethernet connection (LAN 10/100). Connect a standard Ethernet cable from your network switch or router to the camera's Ethernet port.
- The camera typically supports Power over Ethernet (PoE), eliminating the need for a separate power cable if connected to a PoE-enabled switch or injector. Refer to the camera's specific power requirements for non-PoE setups.
- Once connected, the camera will power on and attempt to obtain an IP address from your network's DHCP server.

Operating the Camera

1. Initial Access and Configuration

After connecting the camera, you will need to access its web interface for initial configuration.

1. Use the Axis IP Utility or a similar network discovery tool to find the camera's IP address on your network.
2. Open a web browser and enter the camera's IP address in the address bar.
3. Log in using the default credentials (refer to the installation guide for default username and password, typically 'root' and 'pass'). It is highly recommended to change these immediately for security.
4. Follow the on-screen prompts to set up basic network settings, date/time, and user accounts.

2. Video and Audio Settings

Configure the camera's video and audio streams to suit your surveillance needs.

- **Resolution:** The camera supports a maximum resolution of 2160 x 2160 (6 MP). Adjust the resolution based on your storage and bandwidth requirements.
- **Compression:** Select preferred video compression formats (H.264B, H.264M, H.264H, H.265, MJPEG) for optimal balance between quality and file size.
- **Day/Night Functionality:** The camera automatically switches between day (color) and night modes. Configure sensitivity and IR illumination settings if available.
- **Audio:** Enable and configure audio input/output settings if using the camera's audio capabilities.

- **Video Capture Format:** The camera captures video in MPEG-4 format.

3. Recording and Storage

Set up how the camera records and stores surveillance footage.

- **Network Video Recorder (NVR):** Connect the camera to a compatible NVR for centralized recording and management.
- **SD Card Storage:** If the camera has an SD card slot, configure local recording to an inserted SD card.
- **Cloud Storage:** Explore options for cloud-based video storage services compatible with Axis cameras.

Maintenance

Regular maintenance ensures optimal performance and longevity of your Axis P9117-PV camera.

- **Cleaning:** Periodically clean the camera's dome and casing with a soft, damp cloth. Avoid abrasive cleaners that could scratch the lens cover.
- **Firmware Updates:** Check the Axis Communications website regularly for firmware updates. Keeping the firmware up-to-date ensures access to the latest features, security patches, and performance improvements.
- **Network Check:** Verify network connectivity periodically to ensure stable video streaming and recording.
- **Physical Inspection:** Inspect the camera and its mounting for any signs of wear, damage, or loosening, especially after extreme weather conditions if installed in an exposed indoor area.

Troubleshooting

This section addresses common issues you might encounter with your camera.

Problem	Possible Cause	Solution
No video feed	Power issue, network cable disconnected, incorrect IP address, firewall blocking.	Check power supply/PoE, ensure Ethernet cable is securely connected, verify IP address, check network settings and firewall rules.
Poor video quality	Dirty lens, low bandwidth, incorrect resolution settings, poor lighting.	Clean the camera lens, check network bandwidth, adjust resolution settings in the web interface, ensure adequate lighting in the surveillance area.
Cannot access web interface	Incorrect IP address, network connectivity issue, browser compatibility.	Confirm camera's IP address, check network connection, try a different web browser, clear browser cache.
Camera not recording	Storage full, recording schedule not set, NVR/SD card issue.	Check available storage space, verify recording schedules, ensure NVR is functioning correctly or SD card is properly inserted and formatted.

Specifications

Brand	Axis Communications
Model Name	AXIS P91 Series P9117-PV

Part Number	02864-001
Resolution	6 MP (2160 x 2160)
Video Capture Format	MPEG-4, H.264B, H.264M, H.264H, H.265, MJPEG
Connectivity Protocol	Ethernet (LAN 10/100)
Indoor/Outdoor Usage	Indoor (Dustproof / Vandal-proof)
Mounting Type	Ceiling Mount
Item Weight	2.12 pounds
Included Components	Camera/Accessories
Color	White

Warranty Information

Axis Communications products typically come with a standard manufacturer's warranty. For specific details regarding the warranty period and terms for your Axis P9117-PV camera, please refer to the warranty documentation included with your purchase or visit the official Axis Communications website. Keep your proof of purchase for warranty claims.

Support

For further assistance, technical support, or to download the latest software and documentation, please visit the official Axis Communications support website:
www.axis.com/support
You may also contact your local Axis reseller or distributor for product-specific inquiries and service.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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