Anixter XNF-9010RV

User Manual

ANIXTER XNF-9010RV 12MP IR FISHEYE CAMERA

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Anixter XNF-9010RV 12MP IR Fisheye Camera. Please read this manual thoroughly before using the product to ensure safe and correct usage and to prevent damage.

The XNF-9010RV is a high-performance 12MP fisheye camera designed for comprehensive surveillance, offering 360° monitoring with enhanced resolution in peripheral regions. It supports various viewing modes and advanced video compression.

Product Overview

The Anixter XNF-9010RV camera features a robust design suitable for outdoor use, equipped with a 1.08mm fixed focal lens and Wise IR technology for optimized night vision. Below is an image illustrating the camera's front view.

Figure 1: Front view of the Anixter XNF-9010RV 12MP IR Fisheye Camera, showing the lens and mounting screw locations.

Key components include the 12MP sensor, the fisheye lens, and integrated IR illuminators for low-light conditions. The camera's housing is designed for durability and weather resistance.

Setup and Installation

Proper installation is crucial for optimal performance and coverage.

Mounting Options

- **Wall Mounting:** Secure the camera to a vertical surface using appropriate fasteners. Ensure the camera is positioned to achieve the desired field of view.
- **Overhead Mounting:** For a top-down, 360° view, mount the camera on a ceiling or overhead structure. This mode benefits from the Stereo Graphic Type lens, which enhances resolution in peripheral regions.

Power and Connectivity

- **Power Source:** The camera operates on AC/DC power. Connect the camera to a compatible power supply according to local electrical codes.
- **Network Connection:** The XNF-9010RV supports Wi-Fi connectivity. Follow the camera's network setup guide to connect it to your wireless network. Ensure a strong Wi-Fi signal at the installation location for stable operation.

Initial Configuration

After physical installation and power-up, access the camera's web interface or use the dedicated software for initial configuration. This includes setting up network parameters, user accounts, and basic video settings.

Operating Instructions

The XNF-9010RV offers versatile monitoring capabilities.

Viewing Modes

The camera supports on-board dewarping and various viewing modes:

- **Fisheye View:** Provides the raw 360° circular image.
- **Single Panorama:** A dewarped panoramic view from the 360° image.
- **Double Panorama:** Two dewarped panoramic views.
- **Quad View:** Divides the 360° image into four distinct views, allowing simultaneous monitoring of different areas.

Video Features

- **Resolution:** Captures video at up to 12MP effective still resolution, with video capture resolution up to 1080p at 30 frames per second (fps).
- **Compression:** Supports H.265, H.264, and MJPEG codecs for efficient video storage and transmission.
- **Wise IR:** Optimizes IR light distribution in central and peripheral regions for clear night vision without smudging.
- **WDR (Wide Dynamic Range):** Supports 30fps WDR for clear images in challenging lighting conditions, minimizing motion artifacts.
- **Digital PTZ:** Allows digital pan, tilt, and zoom within the dewarped image.

Control and Alerts

- **Control Method:** The camera can be controlled remotely via its web interface or compatible software.
- **Alert Type:** Configurable for motion-only alerts, notifying users of detected movement within the monitored area.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your camera.

- **Cleaning:** Gently clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surfaces.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Environmental Considerations:** The camera has an IP65 international protection rating, indicating it is protected against dust ingress and low-pressure water jets. While designed for outdoor use, avoid direct exposure to extreme weather conditions if possible to extend its lifespan.
- **Cable Inspection:** Regularly inspect power and network cables for any signs of wear or damage. Replace damaged cables immediately.

Troubleshooting

This section addresses common issues you might encounter.

- **No Power:** Ensure the power adapter is securely connected to both the camera and a working power outlet. Verify the power source is active.
- **No Network Connection:** Check Wi-Fi signal strength. Restart your router and the camera. Verify network settings in the camera's configuration. Ensure the camera is within range of your Wi-Fi network.

- **Poor Image Quality:** Clean the camera lens. Check for obstructions in the camera's field of view. Ensure sufficient lighting; if in low light, verify Wise IR is active. Adjust video resolution settings if necessary.
- **Motion Detection Not Working:** Verify motion detection settings are enabled and configured correctly in the camera's software. Adjust sensitivity levels as needed.
- **Remote Access Issues:** Ensure your network allows external access to the camera (e.g., port forwarding configured on your router if accessing from outside your local network). Verify correct IP address or domain name.

Specifications

Feature	Specification
Model	XNF-9010RV
Effective Still Resolution	12 MP
Video Capture Resolution	1080p
Frame Rate	30 fps
Lens	1.08mm fixed focal lens, Stereo Graphic Type
Connectivity Technology	Wireless (Wi-Fi)
Power Source	AC/DC
Mounting Type	Wall Mount, Overhead Mounting
Video Compression	H.265, H.264, MJPEG
Special Features	Fisheye, Single panorama, Double panorama, Quad view, On board dewarping, Digital PTZ, Wise IR, 30fps WDR
International Protection Rating	IP65
Indoor/Outdoor Usage	Outdoor
Alert Type	Motion Only
Item Weight	1 pounds (16 ounces)
Product Dimensions	1 x 1 x 1 inches
Manufacturer	Anixter

Warranty and Support

For warranty information and technical support, please refer to the official Anixter website or contact your authorized Anixter dealer. Keep your purchase receipt as proof of purchase for warranty claims.