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Anpviz IPC-D3053WD-S

Anpviz 5MP PoE IP Camera (Model: IPC-D3053WD-S) User Manual

Model: IPC-D3053WD-S

1. Introduction

This manual provides detailed instructions for the Anpviz 5MP PoE IP Camera (Model: IPC-D3053WD-S). This full-metal wired turret security camera is designed for outdoor use, featuring 5MP resolution (3072x1728 @20fps), a 2.8mm lens with a 114° wide angle, and advanced AI human and vehicle detection. It includes Smart Dual Light Color Night Vision, 120dB WDR, one-way audio, H.265+ compression, and an IP67 weatherproof rating for robust performance in various environments.

2. What's in the Box

Upon unboxing your Anpviz 5MP PoE IP Camera, verify that all components listed below are present:

- 1x Anpviz 5MP PoE IP Camera (IPC-D3053WD-S)
- 1x Waterproof Lid
- 1x Screw Kit (for mounting)
- 1x User Manual
- 1x After-sales Card

Figure 2.1: All components included in the Anpviz 5MP PoE IP Camera package.

For a visual guide on unboxing, please refer to the video below:

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Video 2.1: An unboxing demonstration of the Anpviz 5MP PoE IP Camera, showcasing each item in the package.

3. Product Features

The Anpviz 5MP PoE IP Camera is equipped with several advanced features to enhance your security surveillance:

- **5MP AI Human & Vehicle Detection:** This camera features a 1/3” CMOS image sensor, delivering 5MP resolution

(3072x1728 @20fps) with a 2.8mm lens providing a 114° wide angle. Smart AI technology precisely detects humans and vehicles, minimizing false alarms from environmental factors like leaves.

- **Smart Dual Light Color Night Vision:** Equipped with both IR and warm light sources, and a 0.005 Lux @ F1.6 ultra-low lux lens, the camera ensures clear imaging in various lighting conditions. Warm light activates upon human or vehicle detection at night for colorful images, switching to IR mode for black-and-white images when no objects are present.
- **One-Way Audio & H.265+ Compression:** Capture vivid videos with integrated audio thanks to the built-in microphone with environment noise filtering. H.265+/H.265/H.264+/H.264 compression formats allow for efficient storage, reducing file sizes significantly.
- **120dB Wide Dynamic Range (WDR):** Optical WDR technology ensures clear images in scenes with both very bright and very dark areas, balancing exposure for optimal visibility.
- **Robust Metal Housing & IP67 Weatherproof:** Constructed with a full metal body, this camera is stable, durable, and IP67 rated, making it fully waterproof and dustproof. It can withstand adverse weather conditions, including heavy rain and storms.

Figure 3.1: Overview of the Anpviz 5MP PoE IP Camera's key features.

Figure 3.2: Illustration of AI-powered Human and Vehicle Detection, minimizing false alarms.

Figure 3.3: Depiction of Smart Dual Light Color Night Vision, showing IR, Full Color, and Smart Color modes.

Figure 3.4: The camera's one-way audio capability, capturing sound with video.

Figure 3.5: Comparison of WDR off vs. WDR on, demonstrating improved image clarity in challenging lighting.

Explore the main functions of this PoE camera in the video below:

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Video 3.1: A detailed overview of the main functions and capabilities of the Anpviz 5MP PoE IP Camera.

See the Smart Dual Light Color Night Vision in action:

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Video 3.2: Demonstration of the Smart Dual Light Color Night Vision feature, highlighting its effectiveness.

Understand the 120dB WDR technology:

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Video 3.3: Explanation and demonstration of 120dB Optical Wide Dynamic Range for balanced exposure.

4. Setup & Installation

The Anpviz 5MP PoE IP Camera offers multiple working solutions for flexible setup. It supports Power over Ethernet (PoE) for simplified wiring, combining power and data through a single Ethernet cable.

4.1 Connection Methods

You can connect your PoE camera using one of the following methods:

1. **Plug & Play with Anpviz NVRs:** For optimal performance and ease of use, connect directly to compatible Anpviz NVRs (NVR7608, NVR7616, NVR7632, NVR7732).
2. **Connect with a PoE Switch/Injector:** Use a PoE switch or injector to power the camera and transmit data via a single Ethernet cable.
3. **Connect with a DC 12V Power Adapter:** If not using PoE, power the camera with a DC 12V power adapter (not included) and connect to your network via a standard Ethernet cable.

Figure 4.1: Connection diagrams for Anpviz NVR, PoE Switch, and DC 12V power adapter.

For a visual guide on connecting your PoE camera, please watch the video below:

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Video 4.1: Detailed instructions on three different methods to connect your Anpviz PoE camera.

4.2 Physical Installation

The camera supports both ceiling mount and wall mount installations. Use the provided drill template and screw kit for

secure mounting.

Figure 4.2: Examples of ceiling and wall mounting for the Anpviz turret camera.

For detailed physical installation steps, refer to the video below:

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Video 4.2: Step-by-step guide for installing the Anpviz 5MP PoE IP Camera outdoors.

5. Operating Instructions

Operate your Anpviz 5MP PoE IP Camera using the Anpviz Viewer app or compatible third-party software.

5.1 Anpviz Viewer App Setup

Download the Anpviz Viewer app from your smartphone's app store. Follow the in-app instructions to activate the camera, add it to your device list, and begin live viewing.

Figure 5.1: Remote access options for the Anpviz camera, including mobile app and web browsers.

For detailed instructions on app activation and adding the camera, refer to the video below:

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Video 5.1: Guide on how to use the Anpviz Viewer App to activate the camera and add it to the application.

5.2 Live View and Playback

Once connected, access live video feeds and recorded footage through the app or compatible software. Utilize features like digital zoom, snapshot, and video recording directly from the interface.

Figure 5.2: The Anpviz camera deployed in different environments, showcasing its versatility.

Experience the camera's live view and playback features:

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Video 5.2: A test drive of the Anpviz 5MP PoE IP Camera, demonstrating its live view, detection, and playback functionalities.

6. Maintenance

To ensure optimal performance and longevity of your Anpviz 5MP PoE IP Camera, regular maintenance is recommended:

- **Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners that could scratch the lens.
- **Firmware Updates:** Check the Anpviz official website or app regularly for firmware updates to ensure your camera

has the latest features and security enhancements.

- **Cable Inspection:** Inspect all cables and connections for any signs of wear, damage, or loose connections, especially the waterproof lid for the Ethernet cable.
- **Environmental Protection:** While the camera is IP67 weatherproof, extreme conditions can still impact performance. Ensure it is installed in a location that minimizes direct exposure to harsh elements where possible.

Figure 6.1: The camera's IP67 rating ensures protection against dust and water, supporting outdoor use.

Learn more about the IP67 waterproof feature and mounting options:

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Video 6.1: Demonstration of the camera's IP67 waterproof capabilities and various mounting methods.

7. Troubleshooting

If you encounter any issues with your Anpviz 5MP PoE IP Camera, consider the following basic troubleshooting steps:

- **No Power/No Image:** Verify all power connections. If using PoE, ensure the PoE switch or NVR is functioning correctly and providing power. If using a DC 12V adapter, confirm it is properly connected and supplying power.
- **Network Connection Issues:** Check Ethernet cable connections. Ensure the camera, NVR/PoE switch, and router are on the same local area network (LAN). Restart network devices if necessary.
- **App Connectivity Problems:** Ensure your smartphone is connected to the internet. Verify the camera is properly added and activated in the Anpviz Viewer app. Check for app updates.
- **Poor Image Quality:** Clean the camera lens. Check network bandwidth if streaming is choppy. Ensure WDR is enabled in high-contrast lighting conditions.
- **False Alarms:** Adjust AI detection sensitivity settings in the app or NVR interface. Define specific detection zones to exclude areas prone to false triggers.

For further assistance, please contact Anpviz technical support.

8. Specifications

Below are the detailed technical specifications for the Anpviz 5MP PoE IP Camera (IPC-D3053WD-S):

Feature	Specification
Model Name	IPC-D3053WD-S

Feature	Specification
Video Capture Resolution	5MP (3072x1728 @20fps)
Lens	2.8mm Fixed Lens
Viewing Angle	114 Degrees
Night Vision Technology	Smart Dual Light Color Night Vision (67ft), IR Night Vision (100ft)
Dynamic Range	120dB WDR
Detection	AI Human and Vehicle Detection
Audio	One-Way Audio (Built-in Microphone)
Video Compression	H.265+/H.265/H.264+/H.264
Storage	Micro SD Card Slot (up to 512GB, card not included)
Connectivity	Wired (PoE)
Power Source	PoE (Power over Ethernet) or DC 12V (adapter not included)
Weatherproof Rating	IP67
Material	Full Metal Housing
Dimensions	6 x 6 x 6 inches
Item Weight	1.74 pounds
Compatible Devices	Desktop, Laptop, Network Video Recorder, Smartphone, Television
Operating Temperature	-22°F to 140°F (-30°C to 60°C)

9. Warranty & Support

Anpviz is committed to providing high-quality products and excellent customer service.

9.1 Warranty Information

Your Anpviz 5MP PoE IP Camera comes with a **2-Year Warranty**. Please refer to the After-sales Card included in your package for specific terms and conditions.

9.2 Technical Support

For any questions, issues, or technical assistance, our professional tech staff is available to help. You can reach us via:

- **Email:** support@anpviz.com
- **Operating Hours:** Monday - Friday, 9:00 AM - 6:00 PM (Time Zone not specified, typically local business hours)

Anpviz has been established since 2014, aiming to provide comprehensive camera solutions across Asia, North America, South America, Africa, Southeast Asia, and the Middle East. We maintain a customer-centric approach and a spirit of innovation to provide convenience and security for our customers' lives.

Figure 9.1: Anpviz Security's commitment to quality and customer support.