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Honeywell HC60W35R2

Honeywell HC60W35R2 60 Series 5MP Indoor Dome Camera User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Honeywell HC60W35R2 60 Series 5MP Indoor WDR IR IP Dome Camera. This camera is designed for indoor surveillance applications, offering high-resolution imaging and advanced features for reliable security monitoring.



Figure 1: Honeywell HC60W35R2 5MP Indoor Dome Camera. This image shows the compact dome design of the camera, suitable for discreet indoor mounting.

Key features include a 5MP progressive scan imager, Wide Dynamic Range (WDR) up to 120 dB for clear images in varying light conditions, and low light performance. The camera also features an IR distance of up to 30 meters (98 ft) for effective night vision.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in damage to the product or personal injury.

- Ensure the power supply voltage matches the camera's requirements (24 Volts AC).
- Do not expose the camera to water or moisture. This product is rated IP65, suitable for indoor use, but not for direct water immersion.
- Avoid placing the camera in areas with extreme temperatures outside its operating range (up to 60 degrees Celsius).
- Installation should be performed by qualified personnel in accordance with all local electrical codes.
- Do not attempt to disassemble or modify the camera. This will void the warranty.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Honeywell HC60W35R2 Dome Camera
- Mounting hardware (screws, anchors)
- Quick Start Guide

4. SETUP

4.1 Mounting the Camera

1. Choose a suitable indoor location for mounting, ensuring a clear field of view and access to power and network connections.
2. Use the provided mounting template (if applicable) to mark drilling points on the ceiling or wall.
3. Drill pilot holes and insert anchors if necessary.
4. Secure the camera base to the mounting surface using the provided screws.
5. Adjust the camera's angle and orientation as needed.

4.2 Wiring and Connectivity

The HC60W35R2 camera supports wired Ethernet connectivity and requires a corded electric power source.

1. Connect an Ethernet cable from your network switch or router to the camera's Ethernet port.
2. Connect the 24V AC power adapter (not included) to the camera's power input.
3. Ensure all connections are secure before powering on the device.

4.3 Initial Configuration

After physical installation and power-up, the camera will boot. Access the camera's web interface via its IP address using a web browser on a computer connected to the same network. Refer to the Quick Start Guide for default IP address and login credentials. Follow the on-screen prompts to set up network parameters, date/time, and change default passwords for security.

5. OPERATING THE CAMERA

5.1 Live View and Recording

Once configured, you can access the live video feed through the camera's web interface or compatible video management software (VMS). The camera supports video capture in MPEG-4 format with a maximum resolution of 2560 x 1920 at up to 60 frames per second.

5.2 Advanced Features

- **Wide Dynamic Range (WDR):** The camera features WDR up to 120 dB, which helps to produce clear images in scenes with both very bright and very dark areas. This feature is typically enabled or configured within the camera's web interface.
- **Night Vision:** Equipped with infrared (IR) LEDs, the camera provides night vision up to 98.43 feet (30 meters). The IR illumination automatically activates in low-light conditions.
- **Optical Zoom:** The 5x optical zoom (2.7mm to 13.5mm varifocal lens) allows for adjustment of the field of view to focus on specific areas. This can be controlled remotely via the camera's interface.

- **Motion Detection:** The camera supports motion-only alerts, which can be configured to trigger recordings or notifications when movement is detected within specified zones.

6. MAINTENANCE

6.1 Cleaning

To maintain optimal image quality, periodically clean the camera lens and housing. Use a soft, dry cloth for the housing. For the lens, use a lens cleaning solution and a microfiber cloth to avoid scratches. Do not use harsh chemicals or abrasive materials.

6.2 Firmware Updates

Honeywell may release firmware updates to improve performance, add features, or address security vulnerabilities. Check the official Honeywell support website for the latest firmware for your HC60W35R2 model and follow the provided instructions for updating.

7. TROUBLESHOOTING

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

- **No Power:** Ensure the 24V AC power supply is correctly connected and functioning. Check power outlets and cables.
- **No Video Feed:** Verify network cable connection. Check network settings (IP address, subnet mask, gateway) in the camera's configuration. Ensure the camera is powered on.
- **Poor Image Quality:** Clean the camera lens. Adjust focus and zoom settings. Check lighting conditions and enable WDR if necessary. Ensure the camera's resolution settings are appropriate for your viewing device.
- **Night Vision Not Working:** Ensure the area is dark enough for IR to activate. Check IR settings in the camera's interface.
- **Cannot Access Web Interface:** Verify the camera's IP address. Ensure your computer is on the same network segment. Try pinging the camera's IP address.

8. SPECIFICATIONS

Feature	Specification
Model Name	HC60W35R2
Effective Camera Resolution	5 MP (2560 x 1920)
Image Sensor Type	CMOS
Lens Type	Varifocal (2.7mm - 13.5mm)
Optical Zoom	5x
Wide Dynamic Range (WDR)	Up to 120 dB
Night Vision Distance	98.43 ft (30 meters)
Connectivity Technology	Wired (Ethernet)

Feature	Specification
Power Source	Corded Electric (24 Volts AC)
Indoor/Outdoor Usage	Indoor
Waterproof Rating	IP65
Maximum Frame Rate	60 fps
Dimensions (Diameter x Height)	5.0 x 4.8 inches
Weight	1.28 lb (Approximate)

9. WARRANTY AND SUPPORT

Manufacturer Warranty: The manufacturer warranty description states "No Warranty". Please refer to your point of purchase for any applicable retailer warranties or return policies.

Technical Support: For technical assistance, please visit the official Honeywell support website or contact their customer service department. Ensure you have your product model number (HC60W35R2) available when seeking support.