Honeywell HC35W48R2

Honeywell HC35W48R2 8MP IR MFZ WDR IP Dome Camera

User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Honeywell HC35W48R2 35 Series 8MP IR MFZ WDR IP Dome Camera. This network camera is designed for surveillance in small to medium-sized business environments, offering 4K resolution, integrated smart analytics, and flexible system integration.

Please read this manual thoroughly before operating the device to ensure proper usage and to prevent damage.

PRODUCT FEATURES

- **8 Megapixel Resolution:** Captures video at up to 3840 x 2160 (4K) for high-quality surveillance in real-time.

- **Infrared (IR) Night Vision:** Provides clear imaging in low-light conditions, with night vision range up to 164.04 feet (50 meters).

- **Motorized Focal Length (MFZ) and Wide Dynamic Range (WDR):** Offers flexible lens adjustment (2.7-13.5mm) and improved image quality in challenging lighting conditions.

- **5x Optical Zoom:** Allows for detailed magnification without loss of image quality.

- **CMOS Sensor:** Efficiently captures high-definition video while consuming less power.

- **Varifocal Lens:** Ensures optimal surveillance dependability and performance with adjustable focal length.

- **Connectivity:** Supports Ethernet and Wi-Fi for flexible network integration.

- **Outdoor Usage:** Designed for outdoor installation with a durable dome form factor.

PACKAGE CONTENTS

Upon unpacking, verify that all items are present and in good condition:

- Honeywell HC35W48R2 IP Dome Camera

- Mounting Hardware (screws, anchors)

- Installation Template

- Quick Start Guide

- Documentation CD (may contain full manual and software)

Image: Front view of the Honeywell HC35W48R2 IP Dome Camera. The camera features a white dome housing with a dark lens visible at the center.

SETUP AND INSTALLATION

1. **Preparation:**

   - Ensure you have the necessary tools: drill, screwdriver, network cable, power supply (12V DC).
   - Choose a suitable mounting location, considering the desired field of view and network/power access. The camera is designed for ceiling mount and outdoor use.

2. **Mounting the Camera:**

   - Use the provided installation template to mark drill holes on the mounting surface.
   - Drill the pilot holes and insert wall anchors if necessary.
   - Secure the camera base to the mounting surface using the provided screws.

3. **Power Connection:**

- Connect a 12V DC power adapter to the camera's power input.
- Alternatively, if using Power over Ethernet (PoE), connect an Ethernet cable from a PoE-enabled switch or injector to the camera's network port.

4. **Network Connection:**

- Connect an Ethernet cable from your network router/switch to the camera's RJ45 port for wired connectivity.
- For Wi-Fi connectivity, refer to the camera's software configuration guide for initial setup and connection to your wireless network.

5. **Initial Configuration:**

- Install the Honeywell surveillance software or a compatible ONVIF client on your computer or mobile device.
- Use the software to discover the camera on your network. The default IP address or discovery method will be detailed in the Quick Start Guide.
- Access the camera's web interface or software to set a strong password, configure network settings, and adjust image parameters.

OPERATING INSTRUCTIONS

1. **Accessing Live View:**

- Open the installed surveillance software or access the camera's web interface via a web browser.
- Enter your username and password to log in.
- Navigate to the live view section to see the real-time video feed from the camera.

2. **Adjusting Zoom and Focus:**

- The HC35W48R2 features a motorized varifocal lens with 5x optical zoom.
- Within the surveillance software or web interface, locate the zoom and focus controls.
- Use these controls to adjust the focal length (2.7mm to 13.5mm) and achieve optimal clarity for your monitoring area.

3. **Recording and Playback:**

- Configure recording settings (continuous, motion-triggered, scheduled) within your Network Video Recorder (NVR) or the camera's internal storage settings (if applicable).
- To view recorded footage, access the playback function in your surveillance software, select the desired date and time, and initiate playback.

4. **Motion Detection and Alerts:**

- Enable and configure motion detection zones and sensitivity settings in the camera's web interface or surveillance software.
- Set up alert notifications (e.g., email, push notifications) to be informed of detected motion events.

MAINTENANCE

- **Cleaning:**

- Regularly clean the camera's dome cover with a soft, damp cloth to remove dust, dirt, or water spots that may obstruct the view.
- Avoid using harsh chemicals or abrasive materials that could scratch the lens or housing.

- **Firmware Updates:**

- Periodically check the Honeywell support website for available firmware updates.
- Updating firmware can improve performance, add new features, and address security vulnerabilities. Follow the provided instructions carefully during the update process.

- **Environmental Considerations:**

  - Ensure the camera's operating environment remains within specified temperature and humidity ranges to prolong its lifespan.
  - Verify that all cable connections are secure and protected from environmental elements.

TROUBLESHOOTING

No Power / Camera Not Turning On:

- Check the power adapter connection and ensure it is securely plugged into a working outlet.
- If using PoE, verify that the Ethernet cable is connected to a PoE-enabled port and the PoE switch/injector is powered on.
- Test the power source with another device to confirm it is functional.

No Video / Cannot Connect to Camera:

- **Ensure the camera is properly connected to the network via Ethernet or Wi-Fi.**
- **Verify that the network cable is not damaged and is securely connected.**
- **Check network settings (IP address, subnet mask, gateway) to ensure they are correct and the camera is on the same network as your viewing device.**
- **Temporarily disable any firewall software on your computer that might be blocking access.**
- **Try restarting the camera and your network router/switch.**

Poor Image Quality:

- Clean the camera's dome cover and lens to remove any dirt or smudges.
- Adjust the focus using the camera's web interface or software controls.
- Check lighting conditions. Ensure there is sufficient light for optimal image capture, or that IR is functioning correctly in low light.
- Verify that the camera's resolution and compression settings are configured appropriately for your network bandwidth and storage capacity.

Motion Detection Not Working:

- Ensure motion detection is enabled in the camera's settings.
- Adjust the sensitivity level. Too low may miss events, too high may trigger false alarms.
- Verify that motion detection zones are correctly defined and cover the desired areas.
- Check for environmental factors like moving branches or shadows that might cause false triggers.

SPECIFICATIONS

Feature	Detail
Effective Camera Resolution	8 Megapixels (3840 x 2160)
Lens Type	Varifocal, Motorized
Focal Length	2.7 mm - 13.5 mm

Feature	Detail
Optical Zoom	5x
Maximum Aperture	f/1.6
Field of View (H/V)	H: 105° - 32°, V: 55° - 18°
Night Vision Type	Infrared (IR)
Night Vision Range	Up to 164.04 ft (50 m)
Sensor Type	CMOS
Maximum Frame Rate	30 fps
Video Formats	H.264, H.265, MJPEG
Connectivity	Ethernet, Wi-Fi
Power Source	12V DC, Power over Ethernet (PoE)
Indoor/Outdoor Usage	Outdoor
Mounting Type	Ceiling Mount
Dimensions (L x W x H)	5.1 x 5.1 x 4.42 inches
Weight	1.9 pounds

WARRANTY INFORMATION

Honeywell products are typically covered by a limited warranty. The specific terms and duration of the warranty for your HC35W48R2 camera are provided with the product documentation or can be found on the official Honeywell Security website. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including coverage, exclusions, and how to make a claim, please visit the Honeywell Security support portal or contact their customer service.

CUSTOMER SUPPORT

Should you encounter any issues or have questions not covered in this manual, please contact Honeywell customer support.

- **Online Support:** Visit the official Honeywell Security website for FAQs, troubleshooting guides, software downloads, and contact forms.
- **Technical Assistance:** Contact the technical support team for assistance with installation, configuration, or operational problems. Refer to your product packaging or the Honeywell website for regional contact numbers and hours of operation.

When contacting support, please have your camera's model number (HC35W48R2) and serial number readily available.