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› Hikvision DS-2CD1043G2-LIU 4MP PoE IP Bullet Security Camera User Manual

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Hikvision DS-2CD1043G2-LIU 4MP PoE IP Bullet Security Camera User Manual

Model: DS-2CD1043G2-LIU | Brand: Hikvision

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Hikvision DS-2CD1043G2-LIU 4MP PoE IP Bullet Security Camera. Please read this manual thoroughly before using the product to ensure proper and safe operation. Keep this manual for future reference.

SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury to persons. This includes, but is not limited to:

- Ensure the power source meets the camera's requirements (12V DC or PoE).
- Do not expose the camera to extreme temperatures, humidity, or corrosive environments.
- Avoid direct exposure of the lens to strong light sources.
- Installation should be performed by qualified personnel.
- Disconnect power before any maintenance or installation procedures.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Hikvision DS-2CD1043G2-LIU IP Bullet Camera
- Mounting screws and wall plugs
- Waterproof connector for network cable
- Quick Start Guide (this document serves as a detailed manual)
- Drill template

PRODUCT OVERVIEW

The Hikvision DS-2CD1043G2-LIU is a 4MP PoE IP bullet camera designed for outdoor surveillance. It features a 2.8mm fixed lens, IP67 weather resistance, and Night Color technology for enhanced low-light performance.



Figure 1: Side view of the Hikvision DS-2CD1043G2-LIU camera with mounting bracket.



Figure 2: Front view of the camera lens and sensor area.

Key Components:

- **Lens:** 2.8mm fixed lens for wide-angle viewing.
- **IR/White Light LEDs:** For night vision and supplemental lighting.
- **Microphone:** For audio input.
- **Network Interface (RJ45):** Supports Power over Ethernet (PoE) and data transmission.
- **Power Input:** 12V DC power connector (if not using PoE).
- **Mounting Bracket:** Adjustable for various installation angles.

SETUP

1. Physical Installation

1. **Choose a Mounting Location:** Select a suitable outdoor location that provides the desired viewing angle and is within reach of network cabling. Ensure the surface is strong enough to support the camera.
2. **Drill Holes:** Use the provided drill template to mark and drill pilot holes for the mounting screws.
3. **Secure the Camera:** Attach the camera's mounting bracket to the wall or ceiling using the supplied screws and wall plugs.
4. **Adjust Angle:** Loosen the adjustment screws on the bracket to set the desired camera angle, then tighten them securely.

2. Network and Power Connection

The camera supports Power over Ethernet (PoE) for simplified installation, or a 12V DC power adapter (sold separately).

- **PoE Connection:** Connect an Ethernet cable from a PoE-enabled switch or NVR directly to the camera's RJ45 port. Use the waterproof connector to protect the connection if installed outdoors.
- **12V DC Power (Alternative):** If not using PoE, connect a 12V DC power adapter to the camera's power input port and an Ethernet cable to the RJ45 port for data.

3. Initial Configuration

1. **Install SADP Tool:** Download and install the Hikvision SADP (Search Active Devices Protocol) tool from the official Hikvision website on a computer connected to the same network as the camera.
2. **Activate Camera:** Run the SADP tool. It will detect the camera. Select the camera and set a strong password to activate it.
3. **Configure Network Settings:** Assign a static IP address or enable DHCP for the camera. Ensure the IP address is compatible with your network.
4. **Access via Web Browser:** Open a web browser (e.g., Internet Explorer, Chrome) and enter the camera's IP address. Log in with the activated password to access the camera's web interface for further configuration.

Live View and Recording

- **Web Interface:** After logging in, navigate to the "Live View" section to see the real-time video feed.
- **NVR/DVR:** If connected to a Hikvision NVR/DVR, the camera feed will be accessible through the recorder's interface.
- **Recording:** Configure recording schedules, motion-triggered recording, or continuous recording via the web interface or NVR/DVR settings.

Advanced Features

- **Motion Detection:** Set up motion detection zones and sensitivity. Configure actions such as recording, sending notifications, or triggering alarms.
- **Night Vision (Night Color):** The camera automatically switches to Night Color mode in low-light conditions, providing enhanced color images.
- **Audio:** Enable and configure audio input/output settings if supported and connected.
- **Image Settings:** Adjust brightness, contrast, saturation, and other image parameters to optimize video quality.

MAINTENANCE

- **Cleaning:** Regularly clean the camera lens with a soft, dry cloth. Do not use harsh detergents or abrasive materials.
- **Firmware Updates:** Check the official Hikvision website periodically for firmware updates. Always follow the provided instructions carefully when updating firmware to avoid damaging the device.
- **Cable Inspection:** Periodically inspect all cables and connections for wear, damage, or corrosion, especially for outdoor installations.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video feed	No power Network cable disconnected Incorrect IP address Camera not activated	Check power supply (PoE or 12V DC). Ensure network cable is securely connected. Verify IP address using SADP tool. Activate camera using SADP tool and set a password.
Poor image quality	Dirty lens Insufficient lighting Incorrect image settings	Clean the camera lens. Ensure adequate lighting or verify Night Color mode is active. Adjust brightness, contrast, and other image settings in the web interface.
Cannot access camera via web browser	Incorrect IP address Network connectivity issue Firewall blocking access	Confirm the camera's IP address using SADP tool. Check network cables and router/switch status. Temporarily disable firewall on your computer to test.

SPECIFICATIONS

Model Number	DS-2CD1043G2-LIU
Resolution	4 Megapixel (1080p video capture resolution)
Lens	2.8mm Fixed Lens
Connectivity	Wired (Ethernet, PoE), Wireless (Wi-Fi)
Power Supply	PoE (Power over Ethernet) or 12V DC
Environmental Rating	IP67 (Outdoor Use)
Night Vision	Night Color
Alarm Type	Motion Only
Dimensions (L x W x H)	17.1 x 6.6 x 6.9 cm
Weight	430 grams
Material	Acrylic
Mounting Type	Wall Mount, Screwable

WARRANTY

This Hikvision product comes with a**2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

For detailed warranty terms and conditions, please refer to the official Hikvision warranty policy available on their website or contact customer support.

SUPPORT

For technical assistance, product inquiries, or further support, please visit the official Hikvision website or contact their customer service department. You can typically find support resources, FAQs, and contact information on their global or regional websites.

Hikvision Official Website: www.hikvision.com