

## LevelOne FCS-5202

# LevelOne FCS-5202 Gemini 4 MP Fixed IP Camera User Manual

Model: FCS-5202

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the LevelOne FCS-5202 Gemini 4 MP Fixed IP Camera. The FCS-5202 is an outdoor fixed camera designed for reliable and cost-effective IP surveillance networks. It is built to withstand various environmental conditions, including rain, extreme heat, snow, dust, and humidity. This camera delivers clear 4-megapixel resolution images and supports 802.3af Power over Ethernet (PoE) for combined power and data transmission over a single Cat.5 cable.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- 4 Megapixel High-Definition Resolution for clear and sharp images.
- Supports H.264, H.265, and MJPEG video compression for efficient storage and streaming.
- Integrated 802.3af Power over Ethernet (PoE) for simplified installation with a single cable.
- IP67 Weather-Resistant Casing ensures durability in outdoor environments.
- Advanced Motion Detection capabilities, including intrusion, camera tampering, and line crossing detection.
- Event notification support for immediate alerts.

### 2.2 Package Contents

- LevelOne FCS-5202 IP Camera
- Installation Guide (refer to this manual)
- Mounting Accessories

### 2.3 Camera Diagram



*Figure 1: Front and side view of the LevelOne FCS-5202 Gemini 4 MP Fixed IP Camera, showing the lens, IR LEDs, and mounting bracket.*

### 3. SETUP AND INSTALLATION

#### 3.1 Safety Precautions

- Ensure power is disconnected before installation or maintenance.
- Install the camera in a location that provides optimal viewing and is protected from direct impact.
- Use appropriate tools and follow local electrical codes.

#### 3.2 Physical Installation

1. **Choose a Mounting Location:** Select a suitable outdoor location, preferably under an overhang, that offers a clear field of view and is within reach of a network cable with PoE.
2. **Mount the Bracket:** Use the provided mounting accessories to securely attach the wall mount bracket to the chosen surface. Mark and drill pilot holes as necessary.
3. **Attach the Camera:** Secure the camera to the mounting bracket. Adjust the camera's angle and orientation for the desired coverage.

#### 3.3 Network and Power Connection

1. **Connect Ethernet Cable:** Connect a Cat.5 or higher Ethernet cable from your PoE-enabled switch or PoE injector to the camera's Ethernet port. This single cable will provide both power and data.
2. **Power On:** Once the Ethernet cable is connected to a PoE source, the camera will power on automatically. Allow a few minutes for the camera to boot up.

#### 3.4 Initial Configuration

1. **Discover the Camera:** Use the LevelOne IP Camera Finder tool (available on the LevelOne website) or a network scanner to locate the camera's IP address on your network.
  2. **Access Web Interface:** Open a web browser and enter the camera's IP address. You will be prompted to enter a username and password. Refer to the default credentials provided in the camera's packaging or on the manufacturer's website.
  3. **Change Default Credentials:** For security purposes, immediately change the default username and password to strong, unique credentials.
  4. **Network Settings:** Configure network settings such as static IP address (recommended for surveillance devices), subnet mask, gateway, and DNS servers as per your network requirements.
  5. **Date and Time:** Set the correct date and time, preferably by synchronizing with an NTP server.
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## 4. OPERATING INSTRUCTIONS

### 4.1 Live View

After logging into the camera's web interface, navigate to the "Live View" section to see the real-time video feed from the camera. You can typically adjust stream quality and view options here.

### 4.2 Video Recording

- **Continuous Recording:** Configure the camera to record video continuously to a Network Video Recorder (NVR) or network-attached storage (NAS).
- **Event-Triggered Recording:** Set up recording to activate only when specific events occur, such as motion detection.
- **Scheduled Recording:** Define specific time periods for recording.

### 4.3 Motion Detection and Event Management

1. **Configure Detection Zones:** In the camera's settings, define specific areas within the camera's view where motion detection should be active.
2. **Sensitivity Settings:** Adjust the sensitivity of motion detection to minimize false alarms.
3. **Event Actions:** Specify actions to be taken when an event is detected, such as:
  - Sending email notifications.
  - Uploading recorded video clips to an FTP server.
  - Triggering an alarm output (if available).

### 4.4 Remote Access

To access your camera remotely, you may need to configure port forwarding on your router or use a cloud-based service provided by LevelOne or a third-party NVR. Consult your router's manual or network administrator for port forwarding instructions.

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## 5. MAINTENANCE

### 5.1 Cleaning the Camera

- Regularly clean the camera lens and housing with a soft, damp cloth to remove dust, dirt, and water spots.
- Do not use harsh chemicals or abrasive cleaners, as these can damage the lens or casing.
- Ensure the camera is powered off before cleaning.

### 5.2 Firmware Updates

Periodically check the LevelOne official website for firmware updates. Firmware updates can provide new features, improve performance, and enhance security. Follow the instructions provided with the firmware update package carefully.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera not powering on.	No power from PoE switch/injector; faulty Ethernet cable.	Verify PoE source is active. Check Ethernet cable connection and integrity. Try a different PoE port or cable.
Cannot access camera via web browser.	Incorrect IP address; network connectivity issue; firewall blocking access.	Confirm camera's IP address using discovery tool. Check network cable. Disable local firewall temporarily or add exception. Ensure camera and computer are on the same network segment.
Poor image quality.	Dirty lens; improper focus (if adjustable); low light conditions; network bandwidth issues.	Clean the lens. Check camera settings for resolution and quality. Ensure adequate lighting. Verify network bandwidth is sufficient for video streaming.
Motion detection not working or too many false alarms.	Incorrect sensitivity settings; detection zones not configured properly; environmental factors (e.g., moving branches).	Adjust motion detection sensitivity. Refine detection zones to exclude irrelevant areas. Consider environmental factors.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	FCS-5202
Resolution	4 Megapixels
Video Compression	H.264, H.265, MJPEG
Connectivity	Wired (802.3af Power over Ethernet - PoE)
Power Source	802.3af PoE or 12V DC (Power adapter not included)
Power Consumption	5.76 Watts
Material	Metal
Usage Environment	Outdoor
Weather Resistance	IP67 Rated
Dimensions (L x W x H)	6.05 x 15.4 x 7 cm (2.38 x 6.06 x 2.76 inches)
Weight	640 grams (1.41 lbs)

Feature	Detail
Mounting Type	Wall mount bracket
Recommended Use	Motion detection, Outdoor surveillance



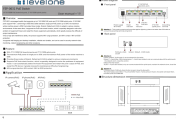
## 8. WARRANTY AND SUPPORT




For warranty information, please refer to the documentation provided with your purchase or contact your reseller. LevelOne provides technical support for its products. For assistance, please visit the official LevelOne website or contact their customer service department.

### Online Resources:

- LevelOne Official Website: [www.level1.com](http://www.level1.com)
- Product Support Page: Search for FCS-5202 on the LevelOne website for drivers, firmware, and FAQs.

## Related Documents - FCS-5202

	<p><a href="#">LevelOne Camera Declaration of Conformity and Safety Information</a></p> <p>Official Declaration of Conformity and essential safety, handling, and care instructions for LevelOne Camera models, including WEEE disposal guidelines. Covers compliance with EU/UK legislation and harmonised standards.</p>
	<p><a href="#">LevelOne GEMINI Series Password Reset Quick Guide</a></p> <p>A quick guide from LevelOne on how to reset the password for GEMINI Series devices using the SADP Tool or the DVR local menu.</p>
	<p><a href="#">LevelOne FEP-0631 PoE Switch User Manual - Features, Specifications, and Installation Guide</a></p> <p>Comprehensive user manual for the LevelOne FEP-0631 unmanaged PoE switch. Details features like 4x 10/100M PoE ports, 60W total PoE power, Extend/Default/VLAN modes, PoE Auto-check function, surge and ESD protection, package contents, installation steps, and detailed technical specifications.</p>

 <p>LevelOne FCS-0010/WCS-0010 Network Camera User's Manual</p>	<p><a href="#">LevelOne FCS-0010/WCS-0010 Network Camera User's Manual</a></p> <p>User's manual for the LevelOne FCS-0010 and WCS-0010 network cameras, detailing setup, live video viewing, web management, and troubleshooting.</p>
 <p>levelone Quick Installation Guide</p>	<p><a href="#">LevelOne GEP-0925/GEP-0625 Quick Installation Guide</a></p> <p>Quick installation guide for LevelOne GEP-0925 and GEP-0625 PoE Ethernet Switches, covering hardware overview, indicator definitions, and connection procedures.</p>
<p>Web Management Guide</p> 	<p><a href="#">LevelOne Web Management Guide for Wireless Access Points</a></p> <p>Comprehensive guide to managing LevelOne Wireless Access Points (WAP series) via the web interface. Covers setup, configuration, operation modes, WiFi settings, network, and security for models like WAB-8011, WAP-8021, WAP-8121, WAP-8122, WAP-8123, and WAP-8221.</p>