**Saved from manuals.plus.**
**Open the live page for links to other documents and user manuals.**



**Real HD IPC-B5SM37A**

# Real HD 4K 8MP PoE IP Camera User Manual

Model: IPC-B5SM37A

## 1. Introduction

Thank you for choosing the Real HD 4K 8MP PoE IP Camera, Model IPC-B5SM37A. This camera is designed for indoor surveillance, offering high-definition 4K (8MP) resolution with a 3.7mm lens and Super Low Lux capabilities for clear imaging in various lighting conditions. It features Power over Ethernet (PoE) for simplified installation and is NDAA compliant. This manual provides essential information for the proper installation, operation, and maintenance of your camera.

## 2. Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- Real HD 4K 8MP PoE IP Camera (IPC-B5SM37A)
- Instruction Manual

## 3. Product Overview

### 3.1 Key Features

- **8MP High Definition Resolution:** Equipped with a high-sensitive interline transfer 1/2.9" sensor for sharp and bright images.
- **Power over Ethernet (PoE) & Plug and Play:** Receives both power and data over a single LAN cable, simplifying installation.
- **Wide Compatibility:** Works with PoE NVRs and supports various network protocols (HTTP, TCP/IP, IPv4, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS).
- **Remote Control:** Accessible via web browsers (IE, Firefox, Safari, Chrome) and a dedicated Power APP for smartphones (iOS & Android).
- **3.7mm Lens:** Provides a wide-angle view, suitable for easy and convenient indoor installation.
- **No IR:** Designed for indoor environments with existing auxiliary light sources, such as corridors or elevators.

- **Motion Detection and Alerts:** Features human target detection with immediate notification capabilities.

## 3.2 Camera Components



**Figure 1:** Front view of the Real HD 4K 8MP Pinhole PoE IP Camera, showing the lens and connection cables.




**Figure 2:** Dimensions of the Real HD 4K 8MP Pinhole PoE IP Camera, measuring approximately 4.7 inches in diameter and 2.2 inches in height.

## 4. Setup and Installation

### 4.1 Installation Guidelines

- This camera is designed for **indoor use only**.
- Ensure the mounting surface is stable and can support the camera's weight.
- Position the camera to cover the desired surveillance area, considering the 3.7mm wide-angle lens.
- Avoid placing the camera in direct sunlight or near strong heat sources.

### 4.2 Connecting to PC (Standalone Use)

For standalone use, the camera can be connected directly to a PC via a PoE switch/injector or a router. This method allows for direct monitoring and configuration through a web browser or the dedicated Power APP.

1. Connect the camera's Ethernet cable to a PoE switch or PoE injector.
2. Connect the PoE switch/injector to your router using an Ethernet cable.
3. Ensure your PC is connected to the same network as the router.
4. Power on the PoE switch/injector and the camera will receive power and data.
5. Access the camera's interface via a web browser or the Power APP on your PC or smartphone.




**Figure 3:** Connection diagram for standalone use, illustrating how to connect the camera to a PC via a PoE switch/injector and router.

## 4.3 Connecting to NVR

For continuous recording and advanced management, connect the camera to a compatible PoE Network Video Recorder (NVR).

1. Connect the camera's Ethernet cable to a PoE port on your NVR.
2. Connect your NVR to a monitor/TV using an HDMI or VGA cable.
3. Connect a mouse to the NVR for navigation.
4. Connect the NVR to your router for network access and remote viewing.
5. Power on the NVR. The camera will receive power and data directly from the NVR's PoE ports.
6. Follow your NVR's instructions to add and configure the camera. For best performance, a 1080p monitor/TV is recommended, and the NVR's output resolution should be set to 1920x1080.

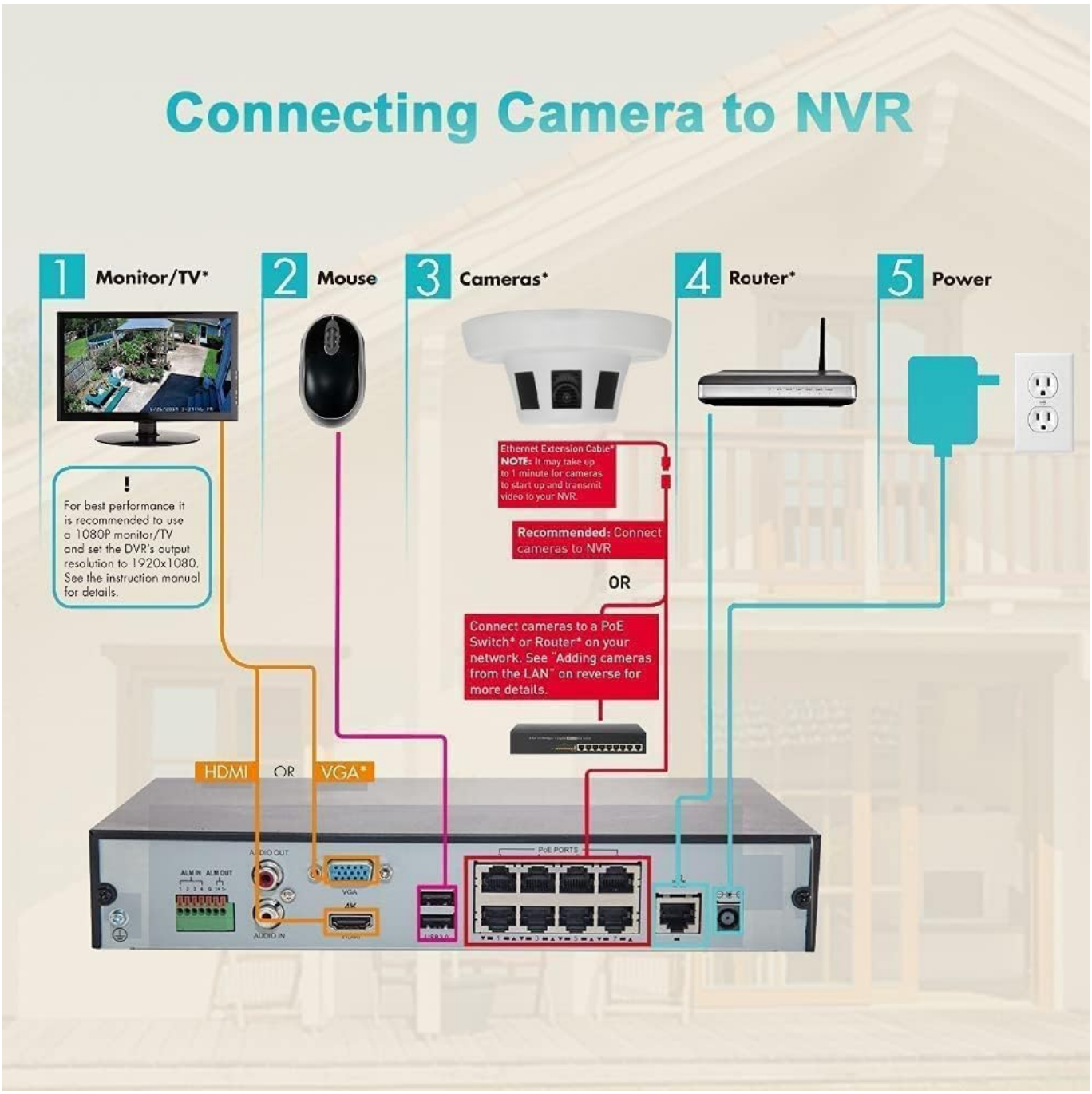



**Figure 4:** Connection diagram for NVR integration, showing the camera connected to an NVR, which is then connected to a monitor, mouse, router, and power.

## 5. Operating Instructions

### 5.1 Powering On and Initial Access

Once connected via PoE, the camera will power on automatically. You can access the camera feed and settings through:

- **NVR Interface:** If connected to an NVR, use the NVR's interface to view live feeds, playback recordings, and configure camera settings.
- **Web Browser:** Open a compatible web browser (IE, Firefox, Safari, Chrome) on a computer connected to the same network. Enter the camera's IP address in the address bar. You may need to use a network scanner tool to find the camera's IP address if it's not automatically assigned or known.
- **Power APP:** Download and install the Real HD Power APP on your iOS or Android smartphone. Follow the in-app instructions to add your camera for remote viewing and control.

### 5.2 Motion Detection and Alerts

The camera features advanced motion detection capabilities. When enabled, it can identify human targets and send immediate notifications to your configured devices (e.g., smartphone app, email). Refer to the camera's web interface or NVR settings for detailed configuration of motion detection zones, sensitivity, and alert actions.

## 6. Maintenance

### 6.1 Care and Cleaning

- To clean the camera lens, use a soft, dry cloth. Avoid abrasive cleaners or solvents that could damage the lens or camera body.
- Regularly check cable connections to ensure they are secure.
- Keep the camera free from dust and debris, especially around the lens area.

### 6.2 Firmware Updates

Periodically check the Real HD website or contact customer support for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.

## 7. Troubleshooting

This section addresses common issues you might encounter with your Real HD IP Camera.

- **No Power/Camera Not Turning On:**
  - Ensure the PoE switch/injector or NVR is powered on and functioning correctly.
  - Verify that the Ethernet cable is securely connected to both the camera and the PoE device.
  - Test with a different Ethernet cable or PoE port if available.
- **No Image/Video Feed:**
  - Confirm the camera is powered on (check for indicator lights if present).
  - If using an NVR, ensure the camera has been added and configured correctly in the NVR's settings.
  - If accessing via web browser, verify the camera's IP address is correct and your computer is on the same network.
  - Check network connectivity between the camera and your viewing device.
- **Network Connection Issues:**
  - Ensure your router and network devices are working properly.
  - Verify that the camera has a valid IP address. If using DHCP, check your router's client list.
  - Temporarily disable any firewall settings on your PC or router that might be blocking the camera's connection.
- **Poor Picture Quality:**
  - Clean the camera lens with a soft cloth.
  - Ensure adequate lighting in the surveillance area, as this camera does not have built-in IR illumination.
  - Check camera settings for resolution and compression.
- **Camera Stopped Working:**
  - Perform a power cycle by disconnecting and reconnecting the PoE cable.

- If the issue persists, a factory reset might be necessary. Consult the manufacturer's support for specific instructions on how to perform a hard reset, as this information is not typically found in basic manuals.

## 8. Technical Specifications

| Feature | Specification |
|---|---|
| Model Number | IPC-B5SM37A |
| Resolution | 8MP (4K) |
| Lens | 3.7mm |
| Indoor/Outdoor Usage | Indoor |
| Power Source | Corded Electric (PoE) |
| Connectivity Protocol | ONVIF |
| Connectivity Technology | Wired Ethernet |
| Compatible Devices | NVR |
| Video Capture Resolution | 4K |
| Wattage | 6 watts |
| Item Dimensions (L x W x H) | 8.2 x 12.1 x 12.5 inches (Product packaging dimensions) |
| Item Weight | 0.2 Kilograms (7 ounces) |
| Alert Type | Motion Only |
| International Protection Rating | IP66 (Note: Product description states 'Indoor', IP66 is typically for outdoor. Please refer to product packaging for definitive rating.) |
| Control Method | Remote |
| Manufacturer | Real HD |

## 9. Warranty and Customer Support

Real HD products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Real HD website. If you encounter any issues or require technical assistance, please contact Real HD customer support through their official channels. Protection plans may also be available for extended coverage.

### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**

---

**Open the live page**

**https://manuals.plus/asin/B0CWNWN1NN**

More documents and user manuals: **https://manuals.plus/**