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Hikvision B07JX5X34Q

Hikvision 6MP EXIR Bullet IP Camera User Manual

Model: B07JX5X34Q

1. Introduction

Thank you for choosing the Hikvision 6 Megapixel EXIR Bullet IP Camera. This camera is designed for high-performance outdoor surveillance, offering superior image quality with its 6-megapixel resolution and enhanced night vision capabilities through EXIR technology. It features robust construction with an IP67 rating for outdoor use and supports Power over Ethernet (PoE) for simplified installation. This manual provides detailed instructions for the proper installation, operation, and maintenance of your camera.

2. Safety Information

Please read these safety instructions carefully before operating the product to prevent damage or injury.

- **Power Supply:** Use only the specified power adapters (12 VDC) or a compliant PoE (802.3af) switch. Ensure the power source is stable and meets the camera's requirements.
- **Installation:** Installation must be performed by qualified personnel in accordance with all local codes. Ensure the mounting surface is strong enough to support the camera and its accessories.
- **Environment:** Do not expose the camera to extreme temperatures, high humidity, or corrosive environments. The camera is rated IP67 for outdoor use, but avoid direct exposure to lightning.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use strong detergents or abrasive cleaners.
- **Cables:** Protect cables from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

3. Package Contents

Verify that all items are included in your package:

- Hikvision 6MP EXIR Bullet IP Camera Unit
- Mounting Hardware (screws, wall plugs)
- Drilling Template

- Quick Start Guide

4. Product Overview

Familiarize yourself with the main components of your Hikvision Bullet IP Camera.



Figure 4.1: Front view of the camera, showing the lens and the Hikvision branding on the side.



Figure 4.2: Side view illustrating the camera body and its integrated mounting base.

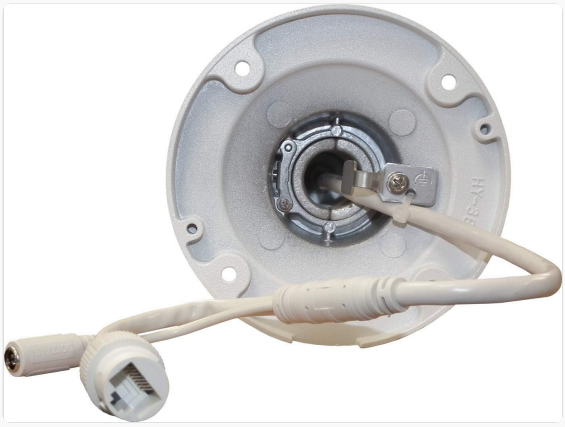


Figure 4.3: Bottom view of the camera's mounting base, revealing the Ethernet (PoE) and 12VDC power input cables.

4.1 Camera Components

- **Lens:** High-resolution 4mm fixed lens.
- **IR Illuminators:** EXIR 2.0 technology for enhanced night vision up to 50 meters.
- **Mounting Base:** Adjustable base for wall or ceiling mounting.
- **Ethernet Port (RJ45):** For network connection and Power over Ethernet (PoE).
- **Power Input:** 12VDC power connector (alternative to PoE).
- **Micro SD Card Slot:** Supports up to 128GB for local storage (ANR - Automatic Network Recovery).

5. Setup

5.1 Mounting the Camera

The camera can be mounted on a wall or ceiling. Use the provided drilling template for accurate hole placement.

1. Choose a suitable location for optimal surveillance coverage.
2. Place the drilling template on the desired mounting surface and mark the screw holes.
3. Drill holes according to the template. Insert wall plugs if mounting on masonry.
4. Secure the camera's mounting base to the surface using the provided screws.
5. Adjust the camera angle as needed.



Figure 5.1: Camera dimensions for precise installation planning.

5.2 Wiring and Network Connection

Connect the camera to your network and power supply.

1. **Power over Ethernet (PoE):** Connect an Ethernet cable from a PoE-enabled switch or NVR to the camera's RJ45 port. This provides both power and data.
2. **12VDC Power (Alternative):** If not using PoE, connect a 12VDC power adapter (not included) to the camera's power input port and an Ethernet cable to the RJ45 port for data.
3. Ensure all connections are secure and protected from environmental elements.

6. Operating the Camera

6.1 Initial Configuration

Upon first power-up, the camera will typically acquire an IP address via DHCP. You may need to use Hikvision's SADP (Search Active Devices Protocol) tool to discover the camera on your network and activate it by setting a strong password.

6.2 Accessing the Camera

You can access the camera's web interface via a web browser (e.g., Internet Explorer, Chrome, Firefox) by entering its IP address. Alternatively, integrate the camera with a Hikvision NVR or third-party VMS (Video Management

Software) that supports ONVIF protocol.

6.3 Video Streaming and Features

The camera supports multiple video streams for various applications:

- **Main Stream:** Up to 20 fps at 3072 x 2048 (6MP) or 30 fps at 2560 x 1440 (4MP), 1920 x 1080 (2MP), 1280 x 720 (720p). Ideal for recording and high-quality viewing.
- **Sub Stream:** Up to 30 fps at 640 x 480, 640 x 360, 320 x 240. Suitable for mobile viewing or bandwidth-limited connections.
- **Third Stream:** Up to 30 fps at 1280 x 720, 640 x 360, 352 x 240. Provides additional flexibility for specific applications.
- **WDR (Wide Dynamic Range):** Enhances image quality in scenes with strong contrast, ensuring details are visible in both bright and dark areas.
- **Day/Night (ICR):** Automatically switches between color and black-and-white modes using an IR-cut filter for optimal image quality in varying light conditions.
- **Local Storage:** Supports a Micro SD card up to 128GB for edge recording and Automatic Network Recovery (ANR).

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your camera.

- **Lens Cleaning:** Gently wipe the lens with a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution designed for optical surfaces.
- **Housing Cleaning:** Clean the camera body with a damp cloth. Avoid harsh chemicals.
- **Firmware Updates:** Periodically check the Hikvision official website for the latest firmware updates. Updating firmware can improve performance, add features, and enhance security.
- **Cable Inspection:** Regularly inspect all cables for signs of wear, damage, or corrosion, especially for outdoor installations.

8. Troubleshooting

Here are solutions to common issues you might encounter:

- **No Image/Video:**
    - Check power supply (12VDC or PoE). Ensure the power indicator (if any) is on.
    - Verify network cable connection.
    - Confirm the camera's IP address and ensure it's on the same network segment as your viewing device. Avoid IP conflicts.
- **Poor Image Quality:**
    - Clean the camera lens.
    - Check for obstructions in the field of view.
    - Adjust image settings (brightness, contrast, WDR) via the web interface or NVR.
    - Ensure sufficient lighting, especially for night vision.
- **Network Connection Issues:**

- Restart the camera and network devices (router/switch).
- Check network cable integrity.
- Verify network settings (IP address, subnet mask, gateway, DNS).

- **Cannot Access Web Interface:**
  - Ensure your computer is on the same network as the camera.
  - Try pinging the camera's IP address to confirm network connectivity.
  - Clear browser cache or try a different browser.
  - Temporarily disable firewall on your computer.

9. Specifications

Detailed technical specifications for the Hikvision 6MP EXIR Bullet IP Camera.

Feature	Specification
Maximum Resolution	6 Megapixel (3072 x 2048)
Minimum Illumination (Color)	0.01 Lux @ (F1.2, AGC ON)
Minimum Illumination (B/W)	0.028 Lux @ (F2.0, AGC ON)
Day / Night	True Day/Night (ICR filter)
Night Vision Range	50 Meters (EXIR IR)
Lens	4 mm fixed lens
Frame Rate	Main Stream: 20 fps (3072x2048), 30 fps (2560x1440, 1920x1080, 1280x720) Sub Stream: 30 fps (640x480, 640x360, 320x240) Third Stream: 30 fps (1280x720, 640x360, 352x240)
Power Supply	12 VDC / PoE (802.3af)
Power Consumption	8.5 W (maximum)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Humidity	95% maximum (non-condensing)
Ingress Protection	IP67 (Outdoor Use)
Dimensions	386 x 156 x 155 mm (15.2 x 6.1 x 6.1 inches)
Weight	1200 grams (2.65 lbs)
Network Interface	1 (10 / 100 Mbps) RJ45 Ethernet Port
Local Storage	Micro SD card slot, up to 128 GB (ANR supported)
Connectivity Protocol	ONVIF / ISAPI / CGI
Simultaneous Users	Supports up to 6 users
Material	Metal

Feature	Specification
Form Factor	Bullet
Recommended Use	Outdoor Security

10. Warranty and Support

This Hikvision camera comes with a**2-year warranty** from the date of purchase, covering manufacturing defects. For warranty claims or technical support, please contact your authorized Hikvision dealer or visit the official Hikvision support website. Ensure you have your product model number (B07JX5X34Q) and proof of purchase ready when seeking support.
For the latest drivers, software, and detailed documentation, please refer to the official Hikvision website: www.hikvision.com

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