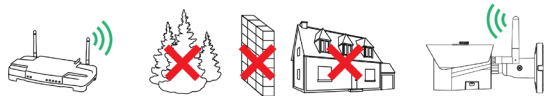


Installation Tips

To ensure the best possible wireless performance, it is recommended to keep the following installation tips in mind when choosing a location for the camera:

- Place the camera as close to your Wi-Fi router or access point as possible.
- Reduce the number of obstructive materials between the camera and the router or access point. Concrete, brick, metal and wood are the most common materials in your house that can cause poor signal strength.



- **The camera uses the 2.4GHz band exclusively.** Most new routers support both 2.4GHz and 5GHz bands. It is recommended to use other Wi-Fi devices on the 5GHz band when possible to ensure the 2.4GHz band is not overcrowded.
- Other electronic devices such as microwaves, TVs, cordless phones, and baby monitors can cause signal interference. It is recommended to install the camera as far away from these devices as possible.



Additional Positioning Tips

- Point the camera where there is the least amount of obstructions (i.e., tree branches).
- Install the camera where vandals cannot easily reach.
- This camera is rated for outdoor use. Installation in a sheltered location is recommended.

Troubleshooting

Problem	Solution
Cannot set up camera	<ul style="list-style-type: none"> • Ensure your mobile device is connected to a 2.4GHz Wi-Fi network during setup. The camera does not work with 5GHz networks. • Try repositioning the camera, router, or both to improve signal strength.
No picture / signal	<ul style="list-style-type: none"> • Ensure the LED indicator on the camera is glowing steady green. See "LED Indicators" section for details if otherwise. • Ensure the camera is properly connected to power using the included power adapter. • Remove obstructions between your router and camera. Materials such as brick, concrete and wood can significantly impact the wireless signal strength. • Try repositioning the camera, router, or both to improve signal strength.
Picture is dropping	<ul style="list-style-type: none"> • Move the camera closer to the router. • Try repositioning the camera, router, or both to improve the reception. • Too much 2.4GHz Wi-Fi network congestion. If you are using a dual band router, try connecting other Wi-Fi devices in the area to the 5GHz network.
Picture is too bright	<ul style="list-style-type: none"> • Ensure your camera isn't pointed directly at a source of light (e.g., sun or spot light). • Move your camera to a different location.
Picture is not clear	<ul style="list-style-type: none"> • Check the camera lens for dirt, dust, spiderwebs, etc. Clean the lens with a soft, clean cloth. • Remove the vinyl cover on the camera lens.

LOREX®

2K HD Wi-Fi Bullet IP Camera



LN BW421 Series
Quick Start Guide

lorex.com

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- 1 Visit lorex.com
- 2 Search for the model number of your product
- 3 Click on your product in the search results
- 4 Click on the **Downloads** tab

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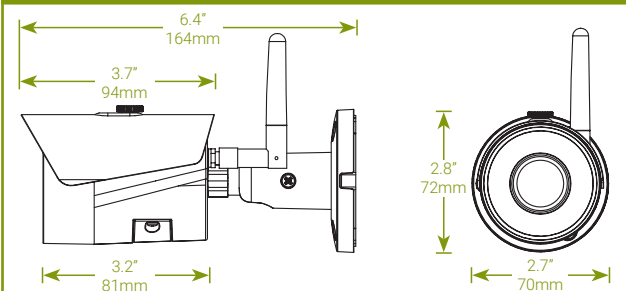
Disclaimers

- Not intended for submersion in water. Installation in a sheltered location recommended.
- This camera includes an Auto Mechanical IR Cut Filter. When the camera changes between Day/Night viewing modes, an audible clicking noise may be heard from the camera. This clicking is normal, and indicates that the camera filter is working.

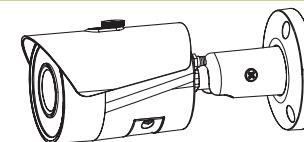
Safety Precautions

- Read this guide carefully and keep it for future reference.
- Follow all instructions for safe use and handling of the product.
- Use the camera within given temperature, humidity and voltage levels noted in the camera's specifications.
- Do not disassemble the camera.
- Do not point the camera directly at the sun or a source of intense light.
- Periodic cleaning may be required. Use a damp cloth only. Do not use any harsh, chemical-based cleaners.

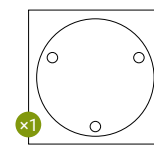
Dimensions



Package Contents



HD Wi-Fi Camera



Mounting Kit

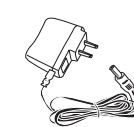


x3

x3



Antenna



Power Adapter

ATTENTION:

A REGULATED UL / CSA APPROVED power supply is REQUIRED for use with this camera (included). Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.

STEP 1: Connecting to Lorex Home

Connect to the camera using the free Lorex Home app on your iPhone® or Android™ phone.

To install the camera:

1. Attach the included antenna to the back of the camera.
2. Using a Phillips screwdriver (not included), remove the panel on the bottom of the camera.
3. Use the included power adapter to connect your camera to a nearby outlet.
4. Download and install the free **Lorex Home** app from the App Store or Google Play Store.

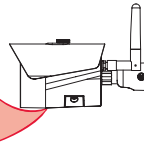


5. Tap the Lorex Home icon to launch the app. Tap **Sign up**, then follow the on screen prompts to create an account. Record your account details below and store in a secure location:

Email: _____

Account Password: _____

6. Open the compartment on the bottom of the camera using a Phillips head screwdriver to reveal the status LEDs.
7. Once the status LED on the camera is flashing green and the startup chime sounds, tap **+** in the Lorex Home app.
8. Scan the QR code on the bottom of the camera using your mobile device's camera.



NOTE: If your mobile device cannot scan the QR code, tap **Manually enter Device ID**.

9. Create a secure password for the camera. Record your camera password below:

Camera Password: _____

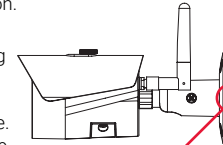
10. Select your Wi-Fi network from the list, then enter the password to connect your camera to the Internet.
11. Once the status LED on the camera is solid green, tap **Next** to add the camera to your Lorex Home account.
12. Set a name for the camera and configure date & time preferences, then tap **Complete** to finish the setup.
13. Replace the bottom panel of the camera.

STEP 2: Installing the Camera

Choose a mounting location and install your camera. The camera can be installed on a wall or ceiling.

Before Installing the Camera

- Review the **Installation Tips** section on the other side of the guide to help you choose an ideal mounting location.
- Decide whether to run the cables through the wall / ceiling (drilling required) or along the wall / ceiling. If you run the cables along the wall / ceiling, you must run the cable through the **cable notch** on the base. This will keep the camera base flush to the surface when mounted.



Cable Notch

To install the camera:

1. Disconnect the power adapter before mounting.
2. Use the included mounting template to mark holes for the mounting screws.
3. Drill holes where marked. Insert the drywall anchors if you are mounting the camera onto drywall.
4. Secure the camera base to the wall using the included screws. Make sure all screws are fastened tightly (see **Figure 1**).
5. Using a Phillips screwdriver (not included) loosen the adjustment screw slightly. Position the camera as needed, then tighten the adjustment screw to secure the camera in place (see **Figure 2**).
6. Reconnect the included power adapter to the camera cable.
7. Remove the vinyl cover on the camera lens to finish the installation.

Figure 1

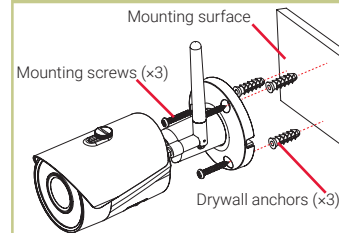
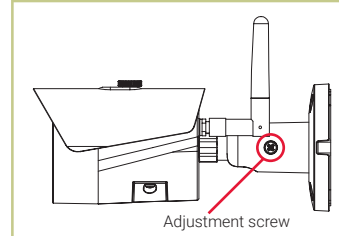
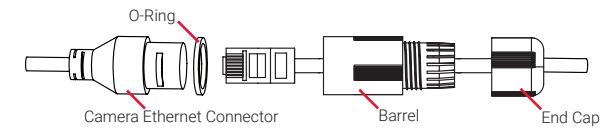


Figure 2



Using the Weather Resistant Cap (Optional)



1. Fit the O-ring around the camera Ethernet connector.
2. Connect the cable to the camera Ethernet connector.
3. Twist the barrel securely onto the camera Ethernet connector. The O-ring becomes compressed when the seal is properly tight.
4. Twist the end cap securely onto the barrel.

LED Indicators

The LED indicators under the panel on the bottom of the camera will glow different colors to indicate different states. See the table below:

LED Behavior	Meaning
● (steady)	Camera is starting up
● (flashing)	Camera is disconnected from network
● (flashing rapidly)	Camera failed to start up
● (steady)	Camera is fully set up and operating normally
● (flashing)	Camera start-up complete, awaiting Wi-Fi configuration
● (flashing rapidly)	Wi-Fi configuration in progress
● (flashing)	Firmware upgrade in progress

Resetting the Camera

Reset the camera password and restore default settings.

To reset the camera:

1. Using a Phillips screwdriver (not included), remove the panel on the bottom of the camera.
2. Hold the **RESET** button (see **Figure 3**) for approximately 10 seconds until the LED flashes red.
3. Replace the panel.
4. Repeat the setup procedure for the camera.

Figure 3

