

## Package Contents

- 4K Ultra HD Active Deterrence Security Camera
- Mounting Kit\*
- BNC / Power Extension Cable\*
- Power Adapter\*\*

\* Per camera in multi-camera packs.

\*\* A multi-camera power adapter that provides power to multiple cameras or individual power adapters may be provided depending on product configuration.

### ATTENTION:

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


## Safety Precautions

- Read this guide carefully and keep it for future reference.
- Follow all instructions for safe use of the product and handle with care.
- 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 towards the sun or a source of intense light.
- Use only the supplied regulated power supply provided with the product. Use of a non-regulated, non-conforming power supply can damage the product and void the warranty.
- Periodic cleaning may be required. Use a damp cloth only. Do not use any harsh, chemical-based cleaners.
- The supplied cable is rated for surface and in-wall mounting only. Cables for floor-to-floor installations are sold separately (CMR type). These and other cables are available at [lorex.com](http://lorex.com).

## Changing the DVR to 4K Resolution

The output resolution of a Lorex HD DVR is set to 1080p as a default. To view 4K resolution on a 4K monitor, the output resolution must be changed using the DVR menu.

To change the output resolution through a Lorex HD DVR:

1. Right-click on the Live View to access the Quick Menu.
2. Click **Main Menu** and then click the Setting icon (  ).
3. Click **Setting > Display**.
4. Click the **Display** tab.
5. In the **Resolution** drop-down menu, select **3840 x 2160**.
6. Click **Apply** to save and click **OK** to exit.

## Installation Tips

- Point the camera where there is the least amount of obstructions (i.e., tree branches).
- Install the camera where vandals cannot easily reach.
- Secure cabling so that it is not exposed or easily cut.
- This camera is rated for outdoor use. Installation in a sheltered location is recommended.

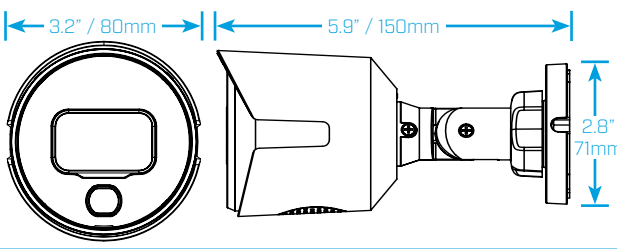
## Disclaimers

- For a full list of compatible recorders, visit [lorex.com/compatibility](http://lorex.com/compatibility).
- 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.

## Troubleshooting

Problem	Solution
No picture / signal	<ul style="list-style-type: none"><li>• Only use the approved power supply and 4K extension cables provided with camera.</li><li>• Ensure that you have set the DVR to 4K output resolution. See 'Changing DVR to 4K Resolution' for details.</li><li>• The cameras are only compatible with certain Lorex HD DVRs. For the full list of compatible recorders, visit <a href="http://lorex.com/compatibility">lorex.com/compatibility</a>.</li><li>• Ensure your TV or monitor is on the correct input channel. Common terms for input channels: INPUT, AV CHANNEL, LINE1, LINE2, AUX.</li><li>• Ensure your DVR is properly connected to your TV or monitor.</li><li>• Ensure connections are properly connected.</li><li>• Ensure the camera power supply is plugged in.</li><li>• Ensure that you only use the included power cable.</li></ul>
Picture is too bright	<ul style="list-style-type: none"><li>• Ensure your camera isn't pointed directly at a source of light (e.g., sun or spot light).</li><li>• Check the brightness settings of the DVR and monitor.</li><li>• Move your camera to a different location.</li></ul>
Picture is too dark	<ul style="list-style-type: none"><li>• Check the brightness and contrast settings of the DVR and monitor.</li></ul>
Night vision is not working	<ul style="list-style-type: none"><li>• Only use the approved power supply and 4K extension cables provided with camera.</li><li>• The night vision activates when light levels drop. The area may have too much light.</li></ul>
Picture is not clear	<ul style="list-style-type: none"><li>• Only use the approved power supply and 4K extension cables provided with camera.</li><li>• Check the camera lens for dirt, dust, spiderwebs. Clean the lens with a soft, clean cloth.</li><li>• Make sure that the cable run is within the limitations specified in the section 'Cable Extension Options'.</li></ul>
Bright spot in video when viewing camera at night	<ul style="list-style-type: none"><li>• Night vision reflects when pointing a camera through a window. Move the camera to a different location.</li></ul>
The camera warning light is not switching on automatically	<ul style="list-style-type: none"><li>• Ensure that you have enabled and configured white light deterrence using a compatible DVR. See your DVR's documentation for more information.</li><li>• Ensure the active areas and schedule for white light deterrence are set properly. The default schedule for the warning light is night times (between 5PM and 7AM).</li></ul>
The camera siren is not switching on automatically	<ul style="list-style-type: none"><li>• The camera siren cannot switch on automatically. You can control the camera siren manually using the Lorex Cloud app or a compatible DVR.</li></ul>

## Dimensions



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# LOREX<sup>®</sup>

## 4K Ultra HD Active Deterrence Security Camera

Quick Start Guide  
English Version 3.0



## LBV8541X / LBV8543X SERIES

[www.lorex.com](http://www.lorex.com)

## Installing the Camera

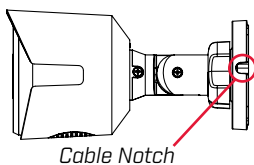
### ATTENTION:

Test your camera prior to selecting a permanent mounting location by temporarily connecting the camera and cable to your DVR.

### Before Installing the Camera

- 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.



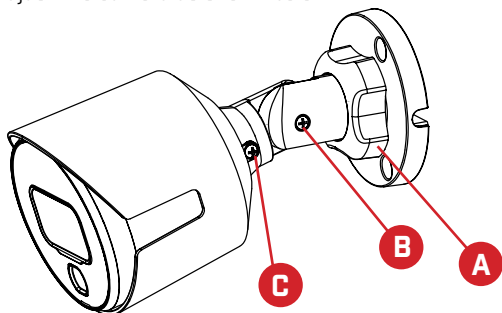
### To install your camera:

- Set the camera in the desired mounting position and mark holes for screws through the camera base.
- Drill the holes, then feed the cable through the mounting surface or cable notch.

**NOTE:** Insert the included drywall anchors if you are mounting the camera onto drywall.

- Mount the camera stand to the mounting surface using the provided screws. Make sure all screws are fastened tightly.

- Adjust the camera as shown below:



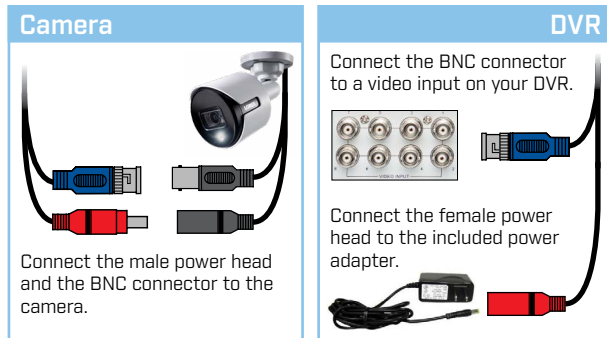
**A. ROTATING THE ARM:** Loosen the adjustment ring by turning it counter-clockwise. Rotate the arm of the camera up to 360°, then tighten the adjustment ring against the base.

**B. BENDING THE ARM:** Use a Phillips head screwdriver (not included) to loosen the adjustment screw closest to the camera base. Bend the arm of the camera up to 90°, then tighten the screw.

**C. LEVELING THE CAMERA:** Use the screwdriver to loosen the adjustment screw furthest from the camera base. Rotate the camera until it is level with the viewing area, then tighten the screw.

- Remove the vinyl film from the camera lens when your installation is complete.

## Connecting the Camera



## Power Adapter Types

A multi-camera power adapter that provides power to multiple cameras or individual power adapters may be provided, depending on product configuration.

### Individual Power Adapter\*

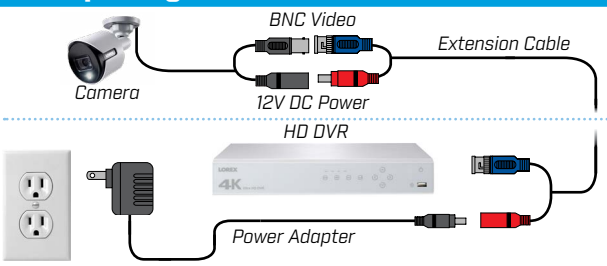


### Multi-Camera Power Adapter\*



\* Only the included power adapter can be used. Images for representation only.

## Setup Diagram



## Cable Extension Options

Extend the cable run for your camera depending on the cable type used. Additional extension cables sold separately. See table below:

Option	Model Number	Cable Length
1	CB120URB1A	120ft (37m)
2	CB250URB1A	250ft (76m)

### Notes:

- The extension cable must be a single stretch of cable between the DVR and camera. You cannot connect multiple extension cables to each other.
- Indicators that your cable run may be too long:
  - Camera loses video when switching to night vision.
  - Video is permanently black & white (even during day time).
  - Video is unclear, soft, or distorted.
- For more information on extension cables, visit [lorex.com](http://lorex.com).

## Activating Deterrence

The camera's deterrence features deter suspicious activities from occurring by flashing a warning light and/or sounding a siren from the camera. You can manually control these features using the Lorex Cloud app.

### NOTES:

- See your DVR's documentation for more information about enabling and automating deterrence features using a compatible DVR.
- For a full list of compatible recorders, visit [lorex.com/compatibility](http://lorex.com/compatibility).

### REQUIREMENTS:

- Connect the camera to a compatible DVR. See 'Connecting the Camera' section for more information.
- Ensure the compatible DVR is set up remotely via the Lorex Cloud app. See your DVR's documentation for more information.

### To activate deterrence manually through the Lorex Cloud app:

- From live view, double-tap the deterrence camera to open the channel in full screen.
- Tap the deterrence icons on the camera display to switch on/off the following deterrence features:
  - Tap the icon to switch on (🔊) / off (🔇) the camera warning light.
  - Tap the icon to switch on (📢) / off (🔇) the camera siren.

**NOTE:** The camera warning light / siren will automatically switch off after 10 seconds.

## Resources

### Need Help?

Visit us online for up-to-date software and complete instruction manuals



- Visit [lorex.com](http://lorex.com)
- Search for the model number of your product
- Click on your product in the search results
- Click on the **Downloads** tab