

## Package Contents

- 4K HD MPX Bullet Security Camera with Audio
- 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 any other 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 mounting only (CM type). Cables for in-wall and floor-to-floor installations are sold separately (CMR type). These and other cables are available at [lorex.com](http://lorex.com).

## Enabling Camera Audio

### ATTENTION:



**Audio is disabled by default.** Audio recording and / or use of listen-in audio without consent is illegal in certain jurisdictions. Lorex Corporation assumes no liability for use of its products that does not conform with local laws.

### To enable audio recording through a Lorex HD DVR:

1. In the Live View, right-click and click Main Menu. Enter the system user name (default: **admin**) and DVR password.
2. Click  and select **Recording > Recording**.
3. Under **Channel**, select the channel where the audio-capable camera is connected.
4. Under **Audio/Video**, check the box on the left to enable audio recording.
5. Under **Audio Format**, select the format that will be used to record audio. **6711a** is recommended.
6. Click **OK** to save changes.

### To enable listen-in audio through a Lorex HD DVR:

**NOTE:** Listen-in audio requires a monitor with speakers or speakers connected to the DVR.

1. In Live View, double-click the camera channel to open in full-screen.
2. Hover near the top of the channel where the camera is connected and click to unmute  / mute  listen-in audio.

## 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.

## Resources

### Need Help?

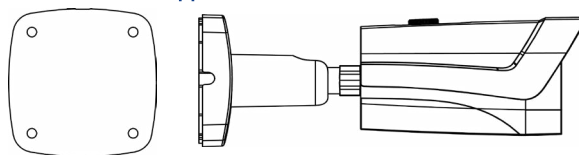
Visit us online for up-to-date software and complete instruction manuals

- 1 Visit [lorex.com](http://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



## Dimensions

← 2.7" / 70mm → | ← 7.2" / 183mm →




## 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.

## 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 **3840×2160**.
6. Click **Apply** to save and click **OK** to exit.

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# LOREX®

4K ULTRA HD MPX Bullet Security Camera  
with Audio

Quick Start Guide  
English Version 3.0



## LBV8721A SERIES

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

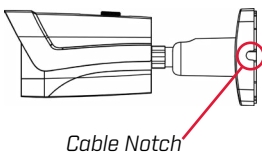
## Installing the Camera

### 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.



Cable Notch

- If you run the cables along the wall / ceiling, you must run the cable through the **able notch** on the base. This will keep the camera base flush to the surface when mounted.

### To install your camera:

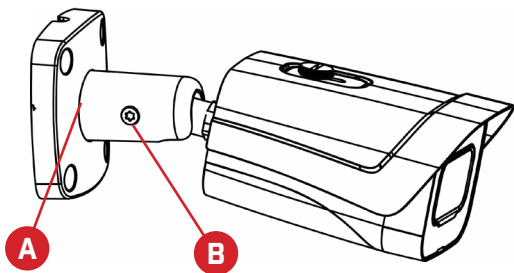
- Set the camera in the desired mounting position and mark holes for screws through the camera base.

- 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:** Rotate the arm until you hear an audible click. Each rotation or click locks the arm into that position. The arm of the camera can be rotated up to 360°.

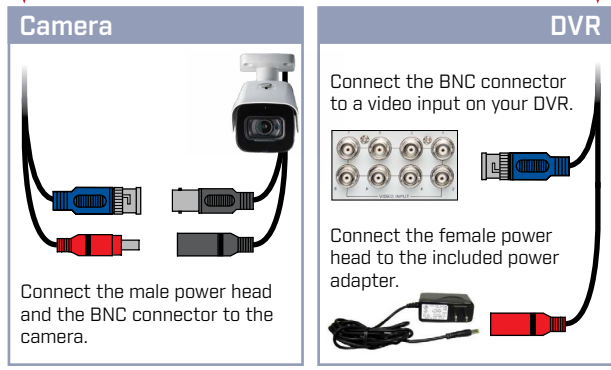
**B. BENDING THE ARM AND LEVELING THE CAMERA:** Use a Phillips head screwdriver (not included) to loosen the adjustment screw. Bend the arm of the camera up to 90°, and rotate the camera until it is level with the viewing area, then tighten the screw.

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

## Connecting the Camera



**This camera can only be used with 4K rated extension cables. For details, see 'Cable Extension Options'.**



## 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\*

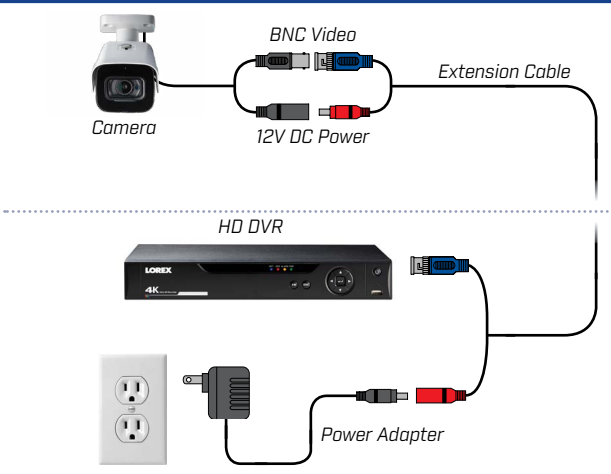


Multi-Camera Power Adapter\*



\* 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).

## 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> </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> <li>Remove the vinyl film from the camera lens when your installation is complete.</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>
No audio	<ul style="list-style-type: none"> <li>Audio is only supported on Lorex HD DVRs. For a list of compatible recorders, visit <a href="http://lorex.com/compatibility">lorex.com/compatibility</a>.</li> <li>Ensure DVR volume is turned on / turned up.</li> <li>Ensure audio function on camera is turned on (see 'Enabling Camera Audio').</li> <li>Ensure audio is turned up on viewing device.</li> <li>Ensure that your monitor has built-in speakers. Otherwise, use the RCA output on your DVR to connect external speakers.</li> </ul>