

## Package Contents

- 4MP HD IP Bullet Security Camera
- Mounting Kit\*
- 100ft (30m) CAT5e Ethernet Extension Cable\*
- Allen Key\*

\* Per camera in multi-camera packs.

### ATTENTION:

It is recommended to connect the camera to the NVR or an external PoE switch. If using a DC power adapter (not included) with the camera, a REGULATED power supply is REQUIRED for use with this camera. 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 mounting only. Cables for in-wall and floor-to-floor installations are sold separately (CMR type). These and other cables are available at [lorextechnology.com](http://lorextechnology.com)

## 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.

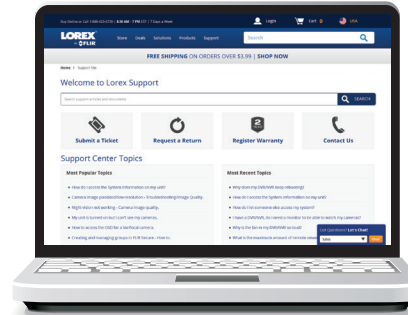
## Disclaimers

- For a full list of compatible recorders, visit [lorextechnology.com/compatibility](http://lorextechnology.com/compatibility)
- Not intended for submersion in water. Installation in a sheltered location recommended.

## Resources

### Need Help?

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



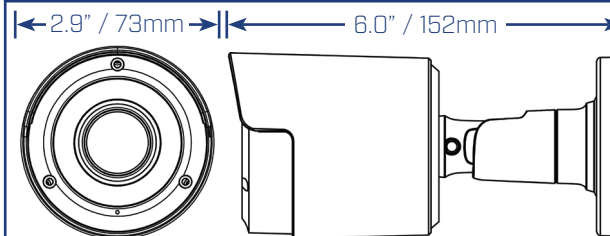
1 Visit [lorextechnology.com](http://lorextechnology.com)

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



**LOREX**<sup>®</sup>  
BY **FLIR**<sup>®</sup>

4MP HD IP Bullet Security Camera

Quick Start Guide  
English Version 1.0



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LKB343\_QSG\_EN\_R1

**LKB343 SERIES**

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

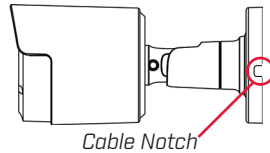
## Installing the Camera

### ATTENTION:

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

### 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.

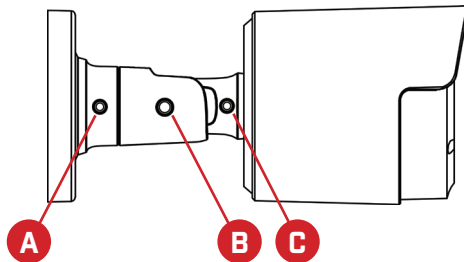


### To install your camera:

- 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:** Use the included Allen key to loosen the adjustment screw closest to the camera base. Rotate the arm of the camera as needed, then tighten the screw.

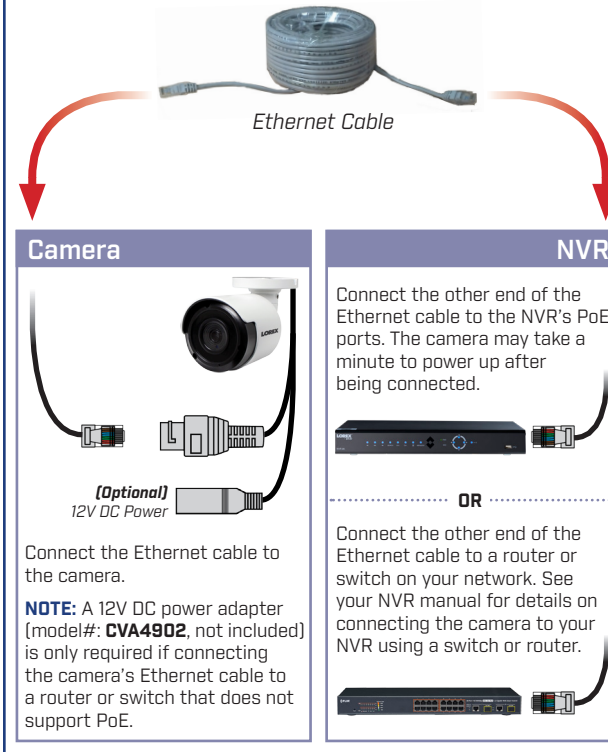
**B. BENDING THE ARM:** Use the Allen key to loosen the middle adjustment screw. Bend the arm of the camera up to 90°, then tighten the screw.

**C. LEVELING THE CAMERA:** Use the Allen key 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.

### ATTENTION:

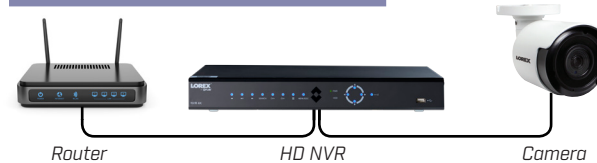
This camera includes an Auto Mechanical IR Cut Filter. When the camera changes between Day/Night viewing modes, an audible clicking noise may be heard from the camera. This clicking is normal, and indicates that the camera filter is working.

## Connecting the Camera

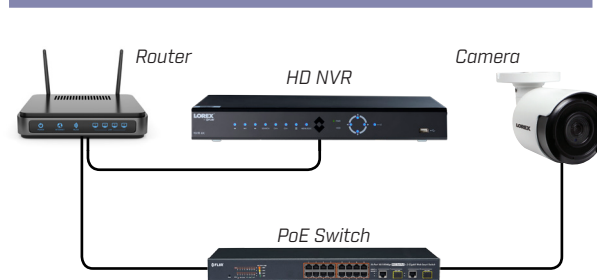


## Setup Diagram

### Scenario 1: Connect Cameras to NVR



### Scenario 2: Connect Cameras to Local Area Network (LAN)



### ATTENTION:

This camera is only compatible with select NVRs. For a list of compatible recorders, visit [lorextechnology.com/compatibility](http://lorextechnology.com/compatibility).

## Cable Extension Options

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

Cable Type	Max Cable Run Distance	Max # of Extensions
Cat5e (or higher) Ethernet cable	300ft (92m)	3

- You can use a RJ45 coupler or switch (not included) to connect male ends of Ethernet cable together.
- To extend the cable run beyond 300ft (92m), a switch will be required (sold separately).

## Troubleshooting

Problem	Solution
No picture / signal	<ul style="list-style-type: none"> <li>Ensure the camera is connected to a compatible NVR. For full camera compatibility, visit <a href="http://lorextechnology.com/compatibility">lorextechnology.com/compatibility</a>.</li> <li>The camera may take up to 1 minute to power up after being connected to the NVR. Wait two minutes before following the steps below.</li> <li>Ensure the camera is connected to your NVR or to your local network.</li> <li>If you are not using PoE, you must connect the camera to a 12V DC power adapter (not included).</li> <li>If the camera is connected to the LAN, you must search your network for cameras using the NVR. See the NVR's instruction manual.</li> <li>Ensure your NVR is properly connected to a TV/monitor.</li> <li>There may be an issue with your extension cable run. Connect the camera to the NVR using a different Ethernet 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>Move your camera to a different location.</li> <li>Check the brightness and contrast settings on the NVR.</li> </ul>
Picture is too dark	<ul style="list-style-type: none"> <li>Check the brightness and contrast settings on the NVR.</li> </ul>
Night vision is not working	<ul style="list-style-type: none"> <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>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>
Picture is in color in dark conditions	<ul style="list-style-type: none"> <li>This camera comes with an image sensor that is extra sensitive to light, meaning that the camera stays in color mode at low-light conditions. For instructions on how to make your camera switch to night mode, visit <a href="http://lorextechnology.com">lorextechnology.com</a>, and search for "How do I make my camera switch to night mode?"</li> </ul>