

Package Contents

- 4MP HD IP Bullet Security Camera
- Mounting Kit*
- 100ft (30m) CAT5e Ethernet Extension Cable*
- Weatherproofing Cap*
- 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.

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).

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

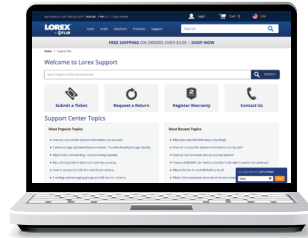
Installation Tips

- 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

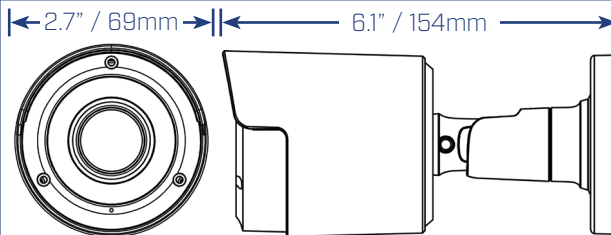
Need Help?

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



- 1 Visit 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



Disclaimers

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

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LOREX[®]
BY **FLIR**[®]

4MP HD IP Bullet Security Camera

Quick Start Guide
English Version 2.0



LKB343 SERIES

www.lorextechnology.com

Installing the Camera

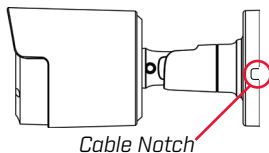
ATTENTION:

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.



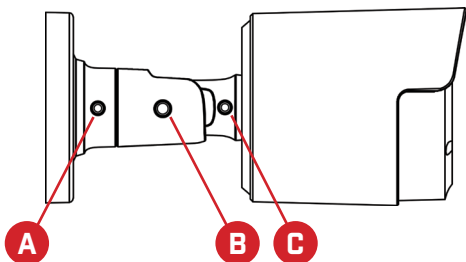
Cable Notch

To install your camera:

1. Set the camera in the desired mounting position and mark holes for screws through the camera base.
2. 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.

3. Connect cables as shown in the section “Connecting the Camera”.
4. Mount the camera stand to the mounting surface using the provided screws. Make sure all screws are fastened tightly.
5. 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.

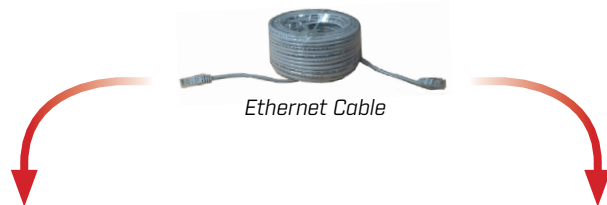
B. BENDING THE ARM: Use the Allen key to loosen the middle adjustment screw. Bend the arm of the camera up to 90°, then tighten the screw.

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:

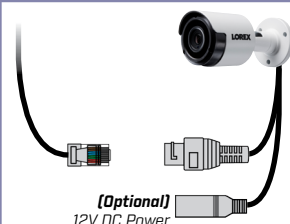
This camera includes an Auto Mechanical IR Cut Filter. When the camera changes between Day/Night viewing modes, an audible clicking noise may be heard from the camera. This clicking is normal, and indicates that the camera filter is working.

Connecting the Camera



Ethernet Cable

Camera



Connect the Ethernet cable to the camera.

NOTES:

- For weatherproofing instructions, see “Using the Weatherproofing Cap (Optional)”.
- A 12V DC power adapter (model#: **CVA4902**, not included) is only required if connecting the camera's Ethernet cable to a router or switch that does not support PoE.

NVR

Connect the other end of the Ethernet cable to the NVR's PoE ports. The camera may take a minute to power up after being connected.



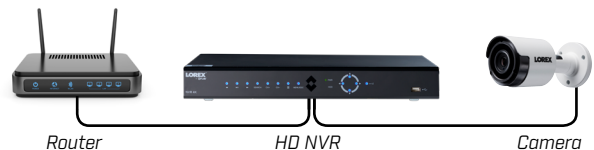
OR

Connect the other end of the Ethernet cable to a router or switch on your network. See your NVR manual for details on connecting the camera to your NVR using a switch or router.

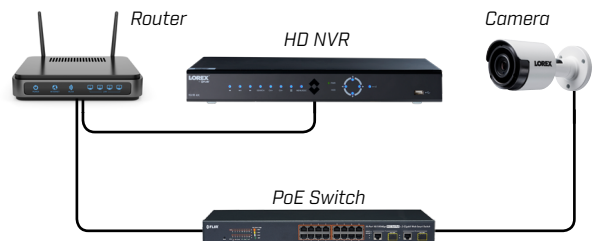


Setup Diagram

Scenario 1: Connect Cameras to NVR



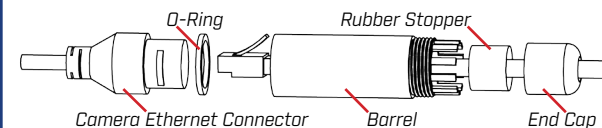
Scenario 2: Connect Cameras to Local Area Network (LAN)



ATTENTION:

This camera is only compatible with select NVRs. For a list of compatible recorders, visit lorextechnology.com/compatibility.

Using the Weatherproofing Cap (Optional)



1. Fit the O-ring around the camera Ethernet connector.
2. Feed the Ethernet extension cable through the end cap and the barrel as shown above. 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. Split the rubber stopper to wrap it around the cable between the barrel and end cap as shown above. Push the rubber stopper toward the barrel until it is underneath the teeth at the end of the barrel.
5. Twist the end cap securely onto the barrel. The rubber stopper becomes compressed and will stick out of the end cap slightly when the seal is properly tight.

Troubleshooting

Problem	Solution
No picture / signal	<ul style="list-style-type: none"> • Ensure the camera is connected to a compatible NVR. For full camera compatibility, visit lorextechnology.com/compatibility. • 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. • Ensure the camera is connected to your NVR or to your local network. • If you are not using PoE, you must connect the camera to a 12V DC power adapter (not included). • If the camera is connected to the LAN, you must search your network for cameras using the NVR. See the NVR's instruction manual. • Ensure your NVR is properly connected to a TV/monitor. • There may be an issue with your extension cable run. Connect the camera to the NVR using a different Ethernet cable.
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. • Check the brightness and contrast settings on the NVR.
Picture is too dark	<ul style="list-style-type: none"> • Check the brightness and contrast settings on the NVR.
Night vision is not working	<ul style="list-style-type: none"> • The night vision activates when light levels drop. The area may have too much light.
Picture is not clear	<ul style="list-style-type: none"> • Check the camera lens for dirt, dust, spiderwebs. Clean the lens with a soft, clean cloth. • Make sure that the cable run is within the limitations specified in the section 'Cable Extension Options'.
Bright spot in video when viewing camera at night	<ul style="list-style-type: none"> • Night vision reflects when pointing a camera through a window. Move the camera to a different location.
Picture is in color in dark conditions	<ul style="list-style-type: none"> • 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 lorextechnology.com, and search for “How do I make my camera switch to night mode?”