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.

ATTENTION:
Audio recording without consent is illegal in certain jurisdictions. Lorex Corporation assumes no liability for use of its products that does not conform with local laws. Audio is disabled by default. If needed, you can enable audio through a Lorex NVR.

### Package Contents
- 4K HD IP Bullet Security Camera with Audio
- Mounting Kit*
- Ethernet Extension Cable*
- Weatherproofing Cap*
- Allen Key*
* Per camera in multi-camera packs.

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

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Max Cable Run Distance</th>
<th>Max # of Extensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT5e (or higher) Ethernet cable</td>
<td>300ft (92m)</td>
<td>3</td>
</tr>
</tbody>
</table>

- 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).

### Audio Settings
ATTENTION:
Audio recording without consent is illegal in certain jurisdictions. Lorex Corporation assumes no liability for use of its products that does not conform with local laws. Audio is disabled by default. If needed, you can enable audio through a Lorex NVR.

To enable camera audio:
1. In Live View, right-click anywhere on the screen to open the Quick Menu.
2. Click Main Menu. If prompted, enter the system user name and password.
3. Under Settings on the left-side panel, click Record, then click the Mainstream tab.
4. Select a channel where an audio camera is connected next to Channel.
5. Check the Audio checkbox to enable audio. Click Save to apply changes.
6. Repeat steps 4 and 5 for any other audio cameras you want to enable audio for.
7. (Optional) Click the Substream tab and perform the same steps to enable audio when viewing cameras through the computer or mobile applications.

### Dimensions

- 2.7” / 69mm
- 6.1” / 154mm

### Audio Settings

### 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 lorex.com

### Disclaimers
- For a full list of compatible recorders, visit 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.
- For the smoothest possible 4K video streaming experience, connect your NVR to a Gigabit router (use available 1000Mbps / 1Gbps ethernet port). If you are connecting cameras to an external network switch, it is recommended to use a 10/100/1000Mbps port on a Gigabit network switch.

### Resources
Need Help?
Visit us online for up-to-date software and complete instruction manuals

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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www.lorex.com
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.
- Ensure the camera is connected to a compatible NVR.
- Install the camera where vandals cannot easily reach.
- Point the camera where there is the least amount of obstructions.

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

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.

Connecting the Camera

1. Connect the Ethernet cable to the NVR's PoE ports. The camera may take a minute to power up after being connected.
2. Connect the other end of the Ethernet cable to the camera.
   NOTES:
   - For weatherproofing instructions, see "Using the Weatherproofing Cap (Optional)."
   - A 12V DC power adapter (model#: CVA4802, not included) is only required if connecting the camera's Ethernet cable to a router or switch that does not support PoE.
   - 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.

Troubleshooting

- No picture / signal
  Solution:
  - Ensure the camera is connected to a compatible NVR. For full camera compatibility, visit lorex.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
  Solution:
  - Ensure your camera isn’t pointed directly at a source of light [e.g., sun or spotlight].
  - Move your camera to a different location.
  - Check the brightness and contrast settings on the NVR.

- Picture is too dark
  Solution:
  - 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 lorex.com, and search for “How do I make my camera switch to night mode?”

- Night vision is not working
  Solution:
  - The night vision activates when light levels drop. The area may have too much light.

- Picture is not clear
  Solution:
  - 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’
  - Remove the vinyl film from the camera lens when your installation is complete.

- Bright spot in video when viewing camera at night
  Solution:
  - Night vision reflects when pointing a camera through a window. Move the camera to a different location.

- Picture is in color in dark conditions
  Solution:
  - This camera comes with an image sensor that is extra sensitive to light. For instructions on how to make your camera switch to night mode, visit lorex.com/compatibility.
  - Ensure NVR volume is turned on / turned up.
  - Ensure audio function on camera is turned on (see ‘Audio Settings’).
  - Ensure audio is turned up on viewing device.

- Audio
  Solution:
  - Audio is only supported on Lorex HD NVRs. For a list of compatible recorders, visit lorex.com/compatibility.
  - Ensure NVR volume is turned on / turned up.
  - Ensure audio function on camera is turned on (see ‘Audio Settings’).
  - Ensure audio is turned up on viewing device.

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

ATTENTION:
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.