Package Contents

- 4K Ultra HD Active Deterrence IP Camera with Audio
- Mounting Kit*
- 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).
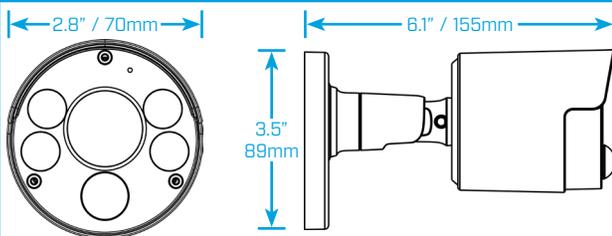
Safety Precautions

- 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 **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.
- 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.

Dimensions

2.8" / 70mm   6.1" / 155mm

3.5" 89mm

Troubleshooting

Problem	Solution
No picture / signal	• 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	• 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	• Check the brightness and contrast settings on the NVR.
Night vision is not working	• The night vision activates when light levels drop. The area may have too much light.
Picture is not clear	• 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	• Night vision reflects when pointing a camera through a window. Move the camera to a different location.
Picture is in color in dark conditions	• 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?"
No audio	• Audio is only supported on Lorex 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.
The camera warning light is not switching on automatically	• Ensure that you have enabled and configured white light deterrence using a compatible NVR. See your NVR's documentation for more information. • 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).
The camera siren is not switching on automatically	• The camera siren cannot switch on automatically. You can control the camera siren manually using the Lorex Cirrus app or a compatible Lorex NVR.

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

LOREX®

4K Ultra HD Active Deterrence IP Camera with Audio

Quick Start Guide
English Version 2.0

LKB384X SERIES

www.lorex.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.
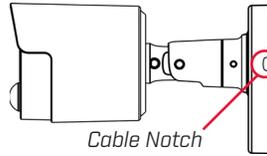• This camera is rated for outdoor use. Installation in a sheltered location is recommended.

Installing the Camera

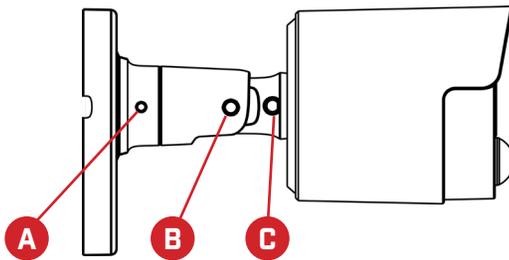| ATTENTION: |
|---|
| Test your camera prior to selecting a permanent mounting location by temporarily connecting the camera and cable to your NVR. |

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. Use the included mounting template to mark holes for the screws.
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   B   C

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 two adjustment screws furthest from the camera base. Rotate the camera until it is level with the viewing area, then tighten the screws.

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

(Optional)
12V DC Power

Connect the Ethernet cable to the camera.

NOTES:
• For weatherproofing instructions, see "Using the Weatherproofing Cap (Optional)".
• A 12V DC power adapter (model#: **ACCPWR12V1**, 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.
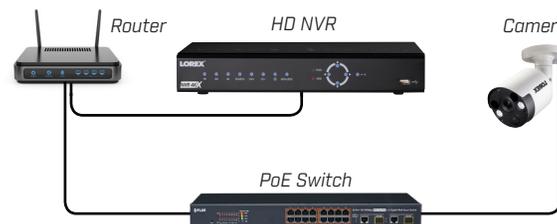
OR

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.

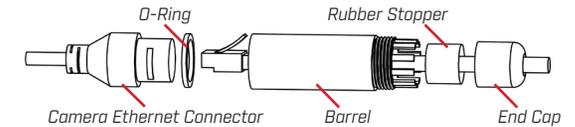## Setup Diagram

Scenario 1: Connect Cameras to NVR

Router   *HD NVR*   *Camera*

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

Router   *HD NVR*   *Camera*

PoE Switch

ATTENTION:
• This camera is only compatible with select NVRs. For a list of compatible recorders, visit lorex.com/compatibility. • 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.

Using the Weatherproofing Cap (Optional)

O-Ring   *Rubber Stopper*

Camera Ethernet Connector   *Barrel*   *End Cap*

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.

Activating Deterrence

The camera's deterrence features deter suspicious activities from occurring by flashing a light and/or sounding a siren from the camera. Manually control these features using the Lorex Cirrus app.

NOTES:
• See your NVR's documentation for more information about enabling and automating deterrence features using a compatible NVR.
• For a full list of compatible recorders, visit www.lorex.com/compatibility.

REQUIREMENTS:
• Connect the camera to a compatible NVR. See 'Connecting the Camera' section for more information.
• Ensure the compatible NVR is set up remotely via the Lorex Cirrus app. See your NVR's documentation for more information.

To activate deterrence manually through the Lorex Cirrus app:
1. From live view, double-tap the deterrence camera to open the channel in full screen.
2. 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.

Audio Settings

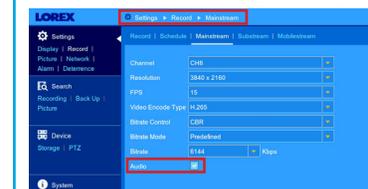| ATTENTION: |
|---|
| Audio recording without consent is illegal in certain jurisdictions. Lorex Corporation assumes no liability for use of its products that does not conform with local laws. |

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.

NOTE: These instructions are based on current NVR interface.

For the most up-to-date instructions, see your NVR's instruction manual on www.lorex.com.