

Package Contents

- 4K Ultra HD IR Bullet IP Camera
- Mounting Kit*
- Mounting Template*
- Ethernet Extension Cable with Pre-attached RJ45 Cable Gland*

* 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

- Use the camera only with compatible Lorex NVRs.
- 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 a regulated power supply with the product (optional). 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.

Using the RJ45 Cable Gland (Optional)

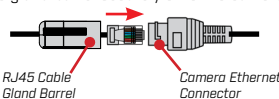
The RJ45 cable gland covers the camera's Ethernet connector and the RJ45 plug to provide weather-resistance and protection from dust, dirt and other environmental contaminants.

The RJ45 cable gland is pre-attached to the included Ethernet extension cable.



To use the RJ45 cable gland:

Twist the RJ45 cable gland barrel securely onto the camera Ethernet connector.



NOTE: The RJ45 cable gland is weather-resistant. Seal the cap with silicone and/or electrical tape for additional sealing if it will be exposed to precipitation regularly.

Cable Extension Options

Extend the Ethernet cable run for your camera up to 300ft (92m). See table below. It is recommended to use UL CMR approved cables available at lorex.com.

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).

Resources

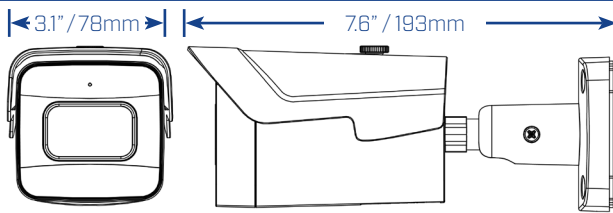
Need Help?

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

Dimensions



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 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 optimal remote viewing from your recorder, an upload speed of 256kbps per camera is required (default setting). For example, your Internet service package must support 2Mbps or greater upload speed for 8 cameras, 4Mbps or greater for 16 cameras, and 8Mbps or greater for 32 cameras (your Internet service provider can confirm your upload speed). You may lower the resolution and bitrate of camera video streams to further boost performance for slower Internet connections. See your NVR's user manual at lorex.com for full instructions (see "Configuring Recording Quality" section).

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LOREX®

4K Ultra HD IR Bullet IP Camera

Quick Start Guide
English Version 1.0



LNB9232 SERIES

www.lorex.com

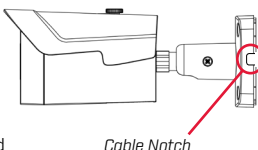
Installing the Camera

ATTENTION:

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



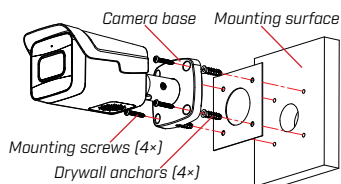
To install your camera:

- Use the included mounting template to mark holes for the screws. Drill holes for the mounting screws.

NOTE: Insert the included drywall anchors if you are installing the camera in drywall.

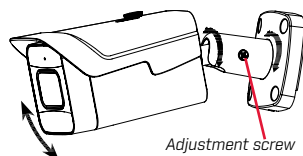
- Connect cables as shown in the section "Connecting the Camera".

- Feed the cable through the mounting surface or cable notch and mount the camera stand to the surface using the provided screws.



- Use a Philips screwdriver (not included) to loosen the adjustment screw.

- Adjust the camera position as needed.
- Tighten the adjustment screw to secure the position.



Audio Settings

ATTENTION:

Audio recording and listen-in audio are 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 / disable audio recording and listen-in audio through a Lorex NVR:

- From Live View, right-click and click **Main Menu**. Enter the system user name (default: **admin**) and password.
- Click **Recording** and select **Recording**.
- Under **Channel**, select the channel where the audio-capable camera is connected.
- Under **Audio/Video**:
 - Check the box on the left to enable audio recording and listen-in audio.**NOTE:** Listen-in audio requires a monitor with speakers or speakers connected to the NVR.
- Under **Audio Encode**, select the format that will be used to record audio. **G711A** is recommended.
- Click **OK** to save changes.

NOTE: These instructions are based on current NVR interface and Lorex Secure app. For the most up-to-date instructions, see your NVR's instruction manual on lorex.com.

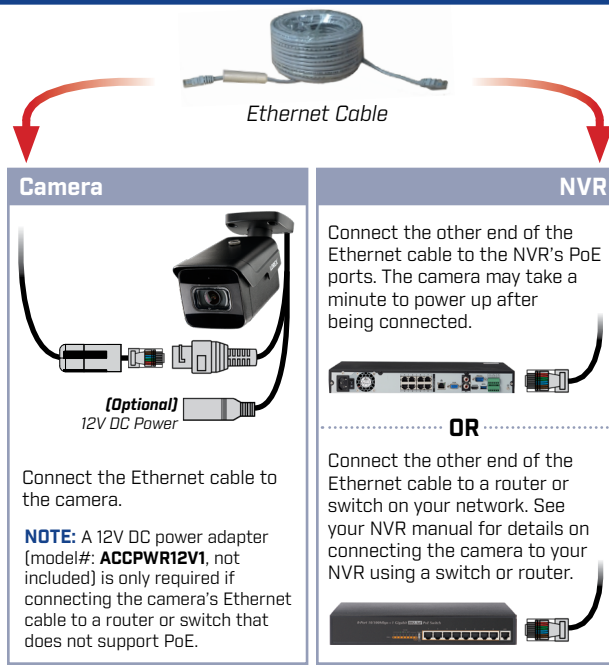
To enable audio through the Lorex Secure app:

Prerequisites:

- You must enable audio on the camera's sub stream through a connected NVR. Follow the instructions to the left for more information.
- You must connect your NVR to the Lorex Secure app. See your NVR's documentation for details.

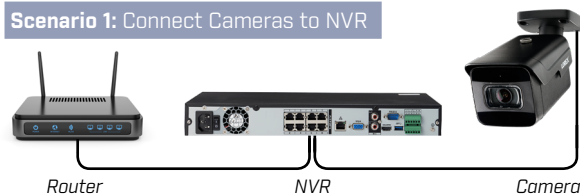
- Launch the Lorex Secure app. From the Home screen, tap the audio-capable camera to open the channel in full screen.
- Tap **Settings** to access settings for the camera.
- Tap the switch next to **Camera Microphone** to enable audio.

Connecting the Camera

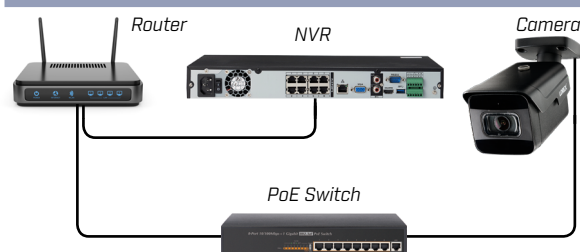


Setup Diagram

Scenario 1: Connect Cameras to NVR



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



ATTENTION:

- This camera is compatible only with select NVRs supporting 4K camera input. For a list of compatible recorders, visit lorex.com/compatibility.
- You must connect the camera to a supporting H.265 NVR to take advantage of H.265 compression. For instructions on enabling H.265 compression, visit lorex.com, and search for "How do I enable H.265 compression?".

Troubleshooting

Problem	Solution
No picture / signal	- Ensure the camera is connected to a compatible NVR supporting 4K camera input. 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). - Slide the sunshade forward to block excess light. - Move your camera to a different location. - Check the brightness and contrast settings on the NVR.
Picture is too dark	- If using during the day, the camera may not be getting enough light. Slide the sunshade backwards to let in more light. - 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 up. - Ensure audio function on camera is turned on (see 'Audio Settings'). - Ensure audio is turned up on the viewing device.