

Package Contents

- 4K Motorized Varifocal HD IP Dome Security Camera
- Mounting Kit*
- Mounting Template*
- CAT5e Ethernet Extension Cable with Pre-attached RJ45 Cable Gland*
- 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

Using the RJ45 Cable Gland (Optional)

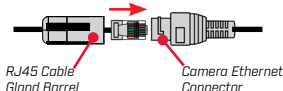
The RJ45 cable gland covers the camera's Ethernet connector and the RJ45 plug to provide weather-resistance and protection from dust, dirt and other environmental contaminants.

The RJ45 cable gland is pre-attached to the included CAT5e 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.

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. To enable camera audio through a Lorex HD NVR:

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. Click and select **Recording > Recording**.
4. Configure the following:

A. Under **Channel**, select the channel that the audio-enabled camera is connected to.

B. Under **Type**, select **Continuous**.

C. Check the check box to enable audio for Main Stream.

D. You can also enable audio for Sub Stream. Check the check box to enable audio for Sub Stream.

E. Video must be enabled for Sub Stream to enable/disable audio.

F. Click **Apply** to save your changes.

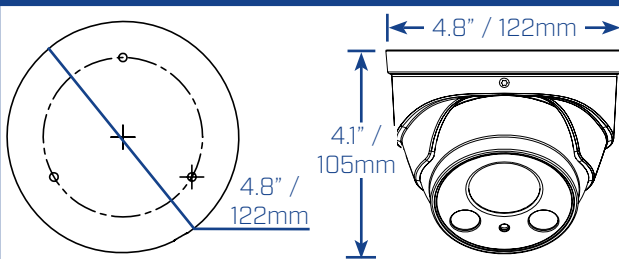
NOTE: You must enable audio for all recording types under the **Type** dropdown. Repeat the above steps to enable camera audio for all recording types.



5. Click **OK**.

NOTE: These instructions are based on current Lorex HD NVR interface. For more information, see your NVR's instruction manual on lorex.com.

Dimensions



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.

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.

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LOREX®

4K Motorized Varifocal HD IP Dome Security Camera with Audio

Quick Start Guide

English Version 1.0



LNE8964A / LNE8974A SERIES

www.lorex.com

LNE8964_LNE8974_QSG_EN_R1

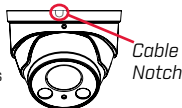
Installing the Camera

ATTENTION:

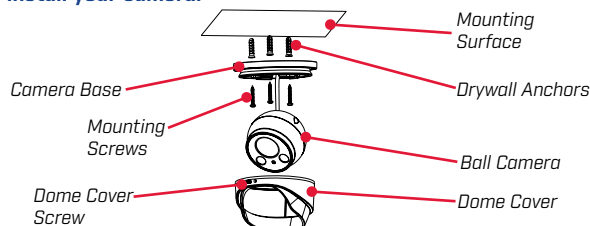
Test your camera prior to selecting a permanent mounting location by temporarily connecting the camera and cable to your NVR.

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.

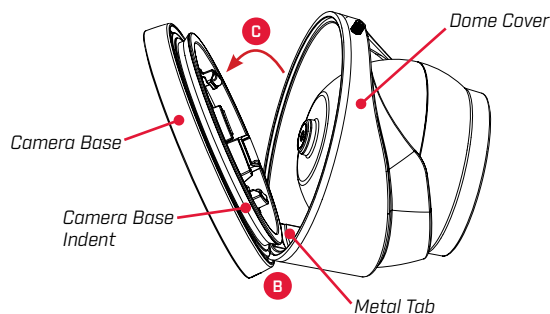


To install your camera:



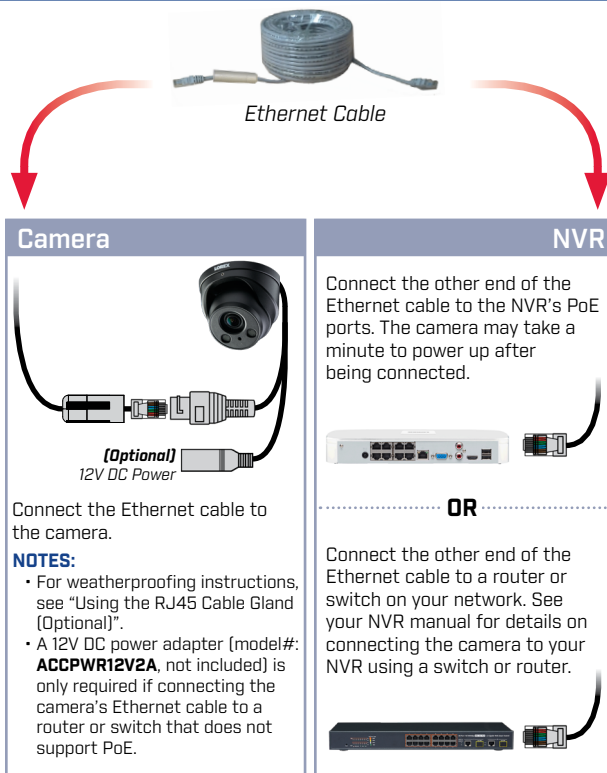
- Use the included Allen key to loosen the screw on the dome cover. Do not loosen all the way.
- Separate the camera base, ball camera, and dome cover.
- Use the included mounting template to mark holes for the mounting screws and camera cable.
- Drill holes for the mounting screws and camera cable.
- Feed the camera cable through the camera base. If you are running the cables against a wall or ceiling, make sure to pass the cable through the cable notch as shown above.
- Connect the cables as shown in the section 'Connecting the Camera'.
- Mount the camera base to the mounting surface using the included screws and optional drywall anchors.
- Place the dome cover over the ball camera.
- To attach the dome cover to the camera base:

- A.** Angle the dome cover as shown below.
- B.** Align the protruding metal tab inside the dome cover with the indent on the camera base.
- C.** Attach the dome cover onto the camera base. Ensure that the dome cover lays flat against the camera base.



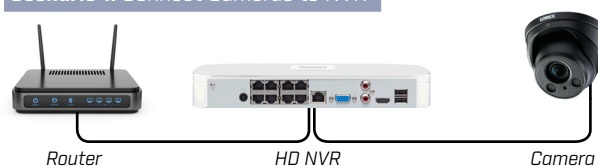
- Use the included Allen key to tighten the dome cover screw halfway onto the camera base. Do not tighten all the way.
- Move the ball camera to the desired position. Tighten the dome cover screw all the way.

Connecting the Camera

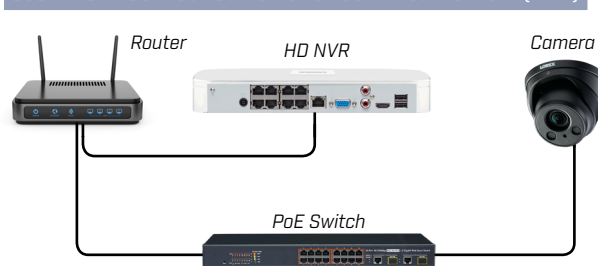


Setup Diagram

Scenario 1: Connect Cameras to NVR



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



ATTENTION:

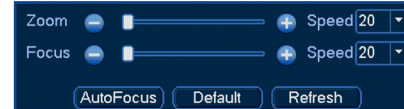
This camera is only compatible with select NVRs. For a list of compatible recorders, visit lorex.com/compatibility.

Adjusting Zoom and Focus

Adjust the camera's zoom and focus using a compatible NVR. For more information, see your NVR's instruction manual on lorex.com.

Right-click on the camera's live view and then click

AutoFocus. Use the sliders to adjust zoom and focus.



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 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.

Need Help?

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

- Visit lorex.com
- Search for the model number of your product
- Click on your product in the search results
- Click on the **Downloads** tab