Disclaimers

- 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.
- Do not disassemble the camera.
- Use the camera within given temperature, humidity and voltage levels noted in the camera’s specifications.
- Do not point the camera directly towards the sun or a source of intense light.
- Use 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.

Additional Installation Tips:

- Install the camera where vandals cannot easily reach.
- Install the camera between 8-16ft (2.5-5m) off of the ground.
- Use of a non-regulated, non-conforming power supply can damage the product and void the warranty.
- Secure cabling so that it is not exposed or easily cut.
- If you run the cables along the wall / ceiling - decide whether to run the cables through the wall / ceiling.
- If you run the cables through 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.
- Review the section “STEP 1: Important Installation Guidelines” above before choosing a permanent mounting location.

To install your camera:

1. Use the included mounting template to mark holes for the screws. Drill holes for the mounting screws.
2. Connect cables as shown in the section “Connecting the Camera”.
3. Feed the cable through the mounting surface or cable notch and mount the camera and cable to your NVR.
4. Use a Philips head screwdriver (not included) to loosen the adjustment screws shown below.
5. Tighten the adjustment screws to secure the position.
6. Remove the vinyl film from the camera lens when your installation is complete.

Need Help?

Visit us online for up-to-date software and complete instruction manuals
### Connecting the Camera

**Camera**

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.

**NVR**

Connect the Ethernet cable to the NVR's PoE ports. Note: A 12V DC power adapter (model#: ACCPWHR12V1, not included) is only required if connecting the camera's Ethernet cable to a router or switch that does not support PoE.

### Using the RJ45 Cable Gland (Optional)

The pre-attached 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.

To use the RJ45 cable gland:
- Twist the RJ45 cable gland barrel securely onto the camera's 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.

### Setup Diagram

**Scenario 1:** Connect Cameras to NVR

- **Camera**
- **RJ45 Cable**
- **Camera Ethernet Connector**
- **NVR**

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

- **Camera**
- **PoE Switch**
- **NVR**
- **Router**

### Cable Extension Options

Extend the Ethernet cable run for your camera up to 300ft (91m). See table below. It is recommended to use UL CMR approved cables available at lorex.com.

**Cable Type** | **Max Cable Run** | **Max # of Extensions**
--- | --- | ---
CAT5e (or higher) Ethernet cable | 300ft (91m) | 3

- You can use a RJ45 coupler or network switch (not included) to connect male ends of Ethernet cable together.
- To extend the cable run beyond 300ft (91m), a switch will be required (sold separately).

### 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 audio recording and listen-in audio:
1. From Live View, right-click and click **Main Menu**. Enter the system user name (default: admin) and password.
2. Click **Settings** and select **Recording**.
3. Under **Channel**, select the channel where the audio-capable camera is connected.
4. Under **Audio/Video**:
   - **A:** Check to enable audio recording and listen-in audio.
   - **B:** (Optional) Check to enable audio streaming to mobile applications.

### Using Deterrence Features

Use your Lorex app to manually activate the camera’s white light and siren features when connected to a compatible Lorex recorder.

**PREREQUISITE:** Connect to your Lorex system using the app specified in your recorder documentation.

To activate deterrent features manually:
1. Launch the app and tap your recorder to view connected channels.
2. Tap a connected deterrence camera to open it in single-channel view.
3. Tap 📣 to activate the white light, or tap ⚠️ to activate the siren.

**NOTE:** You can also set schedules and active areas of the camera image where the white light will be triggered automatically when motion is detected. For full instructions, refer to the app manual on your product page at lorex.com.

### Troubleshooting

**Problem** | **Solution**
--- | ---
No picture / signal | • Ensure the camera is connected to a compatible NVR. For full 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 monitor.
| | • There may be an issue with your extension cable run. Connect the camera to the NVR using a different Ethernet cable.

**Picture does not appear to be 4K** | • To ensure that you are viewing camera video in full 4K resolution (4K monitor required), check the video output resolution of your NVR. For full instructions, see your NVR's documentation at lorex.com.
| | • Ensure your NVR is properly connected to a 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 contrast and brightness 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’.
| | • Remove the vinyl film from the camera lens when your installation is complete.

**Bright spot in video** | • Night vision reflects when pointing a camera through a window. Move the camera to a different location.
| when viewing camera at night

**Picture is in color in dark conditions** | • This camera's image sensor 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 enable H.265 compression?”

**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 full instructions.
| | • 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 a compatible Lorex NVR or app. Refer to your NVR's documentation for full instructions.

**There is no audio** | • Audio is only supported on Lorex NVRs. For a list of compatible recorders, visit lorex.com/compatibility.
| | • Ensure your NVR volume is set to 0.
| | • Ensure audio function on camera is turned on (see Audio Settings).
| | • Ensure audio is turned on viewing device.

**Two-way talk not working** | • Use the Lorex app specified in your NVR documentation to activate two-way talk. Tap 📩 from the camera’s live view, then speak into the microphone on your mobile device. Tap again when finished talking.