Contents
• IP Bullet Camera*
• Mounting Kit*
• Mounting Template*
• Cat5e UL Compliant (CM) Ethernet Extension Cable*
* Per camera.

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LNB3321_SERIES_TRIFOLDQSG_EN_R1

ATTENTION - It is recommended to connect the camera to the NVR or an external PoE switch. If using a DC power adapter 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.

Warning/Caution
• 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 Camera Specifications
• Do not disassemble the camera
• Do not point the camera directly towards the sun or a source of intense light
• Periodic cleaning may be required. Use a damp cloth only. Do not use harsh cleaners or aerosol cleaners
• The supplied extension cable is rated for surface mounting only
• Cables for in-wall / floor-to-floor installations are sold separately

Installation Tips
• Point the camera where there is the least amount of obstructions (i.e. tree branches)
• Install the camera in a location that is difficult for vandals to reach
• Secure cabling so that it is not exposed or easily cut
• Camera rated for outdoor use. Installation in a sheltered location recommended

Dimensions

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>75mm / 3.0&quot;</td>
<td></td>
</tr>
<tr>
<td>172mm / 6.7&quot;</td>
<td></td>
</tr>
<tr>
<td>72mm / 2.8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Resources

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

1. Go to www.lorextechnology.com
2. Search the model number of your product
3. Click on your product in the search results
4. Click on the Downloads tab

LNB3321 SERIES

WEATHERPROOF HIGH DEFINITION NIGHT VISION IP SECURITY CAMERA

Quick Start Guide
English Version 1.0
Installing the Camera

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 wall / ceiling when mounted.

To install the camera:
1. 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.
2. Feed the cable through the mounting surface or cable notch and mount the camera stand to the surface using the provided screws.
3. Use a Philips head screwdriver (not included) to loosen the adjustment screw.
4. Adjust the camera position as needed, and then tighten the adjustment screw to secure the position. See below for suggested stand positions.

Connecting the Camera

To Camera:
- Connect the Ethernet cable to the camera.

To NVR:
1. Connect the Ethernet cable to the NVR’s PoE ports. The camera may take up to 1 minute to power up after being connected to the NVR.
   NOTE: A 12V DC power adapter (Model#: CVA4902, not included) is only required if connecting the camera’s Ethernet cable to a router or switch that does not support PoE.
2. Connect the other end of the Ethernet cable to a router or switch on your network. See the NVR Instruction Manual for details on connecting the camera to your NVR.

Setup Diagram

SCENARIO 1: Connect Cameras to NVR

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

Cable Extension Options

Extend the Ethernet cable run for your camera up to 300ft. See table below. It is recommended to use UL CMR approved cables available at www.lorextechnology.com

<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 (not included) or switch (not included) to connect male ends of Ethernet cable together.

Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No picture / signal</td>
<td>• 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 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.</td>
</tr>
<tr>
<td>Picture is too bright</td>
<td>• Ensure your camera isn’t pointed directly at a source of light (e.g. sun or spot light). • Slide the sunshade (bullet cameras featuring adjustable sunshades only) forward to block excess light. • Move your camera to a different location. • Check the brightness and contrast settings on the NVR.</td>
</tr>
<tr>
<td>Picture is too dark</td>
<td>• If using during the day, the camera may not be getting enough light. Slide the sunshade (bullet cameras featuring adjustable sunshades only) backwards to let in more light. • Check the brightness and contrast settings on the NVR.</td>
</tr>
<tr>
<td>Night vision is not working</td>
<td>• The night vision activates when light levels drop. The area may have too much light.</td>
</tr>
<tr>
<td>Picture is not clear</td>
<td>• 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’.</td>
</tr>
<tr>
<td>Bright spot in video</td>
<td>• Night vision reflects when pointing a camera at a window. Move the camera to a different location.</td>
</tr>
<tr>
<td>when viewing camera</td>
<td>• 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 <a href="https://www.lorextechnology.com/support/selfServe.jsp">https://www.lorextechnology.com/support/selfServe.jsp</a>, and search for “How do I make my camera switch to night mode?”</td>
</tr>
<tr>
<td>at night</td>
<td></td>
</tr>
<tr>
<td>Picture is in color in dark conditions</td>
<td></td>
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