Contents
• IR Night Vision Camera*
• Mounting Kit*
• 60ft BNC / Power Extension Cable*
• Power Adapter**

* Per camera in multi-camera packs.
** Multi-Camera Power Adapter that provides power to multiple cameras or individual power adapters may be provided, depending on product configuration.

ATTENTION: If using a DC power adapter with the camera, a REGULATED UL / CSA APPROVED 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
• 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 cameras within given temperature, humidity and voltage levels noted in ‘Camera Specifications’.
• Do not disassemble the cameras.
• Do not point the cameras directly towards the sun or a source of intense light.
• Use only the supplied regulated power supply. Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.
• Periodic cleaning may be required. Use a damp cloth only. Do not use harsh cleaners or aerosol cleaners.

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

Resources

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

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

Disclaimers:
* Compatible with Lorex MPX series DVRs only.
** Stated IR illumination range is based on ideal conditions in typical outdoor night time ambient lighting and in total darkness. Actual range and image clarity depends on installation location, viewing area and light reflection / absorption level of object.
*** Not intended for submersion in water. Installation in a sheltered location recommended.

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### Installing the Cameras

**ATTENTION** - Test each camera prior to selecting a permanent mounting location by temporarily connecting the camera(s) and cables to the DVR.

**Before installing the cameras:**
- 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 the cameras:**
1. Set the camera in the desired mounting position and mark holes for screws through the camera base.
2. Drill the holes, then feed the cable through the mounting surface or cable notch.
   **NOTE:** Insert the included drywall anchors if installing the camera in drywall.
3. Mount the camera stand to the surface using the provided screws. Make sure all screws are fastened tightly.

### Connecting the Cameras

#### To Camera: To DVR:

1. Connect the BNC and power connectors to the camera.
2. Connect the BNC connector to the video input of your DVR.
3. Connect the power connectors to the power adapter.

### Power Adapter Types

A multi-camera power adapter that provides power to multiple cameras or individual power adapters may be provided, depending on product configuration.

- **Individual Power Adapter**
- **Multi-Camera Power Adapter**

### Setup Diagram

![Setup Diagram](image)

**Power Adapter**
- Connect the MPX DVR to the power adapter.
- Connect the BNC connector to the video input of your DVR.
- Connect the power connectors to the power adapter.

**Camera**
- Connect the BNC connector to the camera.
- Connect the power connectors to the power adapter.

**Extension Cable**
- Connect the BNC connector to the camera.
- Connect the power connectors to the power adapter.

**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.

### Cable Extension Options

Extend the cable run for your camera depending on the cable type used. Additional extension cables sold separately. See table below:

<table>
<thead>
<tr>
<th>Option</th>
<th>Cable Type</th>
<th>Max Cable Run Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lorex model MCB660BNCU / MCB668BNCU BNC Cable (included with camera)</td>
<td>60ft / 18m</td>
</tr>
<tr>
<td>2</td>
<td>‘RG59’ or ‘Coax’ or ‘Coaxial BNC’ Siamese (Video and Power)</td>
<td>300ft / 92m</td>
</tr>
<tr>
<td>3</td>
<td>‘RG59’ or ‘Coax’ or ‘Coaxial BNC’ (Video Only)²</td>
<td>800ft / 242m</td>
</tr>
</tbody>
</table>

**Notes:**
1. The extension cable must be a single stretch of cable between the DVR and camera. You cannot connect multiple extension cables to each other.
2. For cable runs above 300ft / 92m (option 3), you must connect the power adapter directly to the camera, rather than at the end of the extension cable.
3. Indicators that your cable run may be too long:
   - Video is permanently black & white (even during day time)
   - Video is unclear, soft, or distorted
4. For more information on extension cables, visit [www.lorextechnology.com](http://www.lorextechnology.com).

### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No picture / signal</td>
<td><em>Ensure the camera is connected to an MPX Series DVR. Camera is not compatible with other DVR models. Visit <a href="http://www.lorextechnology.com">www.lorextechnology.com</a> for compatibility information.</em></td>
</tr>
<tr>
<td>Video is unclear, soft, or distorted</td>
<td><em>Ensure connections are properly connected.</em></td>
</tr>
<tr>
<td>Night vision reflects when pointing a camera at night</td>
<td><em>Ensure the camera power supply is plugged in.</em></td>
</tr>
<tr>
<td>Picture is too bright</td>
<td><em>Ensure your camera isn’t pointed directly at a source of light (e.g. sun or spot light).</em></td>
</tr>
<tr>
<td>Video is permanently black &amp; white (even during day time)</td>
<td><em>Move your camera to a different location.</em></td>
</tr>
<tr>
<td>Picture is not clear</td>
<td><em>Check the camera lens for dirt, dust, spiderwebs. Clean the lens with a soft, cloth.</em></td>
</tr>
<tr>
<td>Night vision activates when light levels drop. The area may have too much light.</td>
<td><em>Ensure your TV is on the correct input channel. Common terms of an input channel: INPUT, AV CHANNEL, LINE1, LINE2, AUX.</em></td>
</tr>
<tr>
<td>Night vision is not working</td>
<td><em>Ensure your TV is properly connected to your TV / Monitor.</em></td>
</tr>
<tr>
<td>Bright spot in video when viewing camera at night</td>
<td><em>Ensure your camera isn’t pointed directly at a source of light (e.g. sun or spot light).</em></td>
</tr>
<tr>
<td>Ensure connections are properly connected.</td>
<td></td>
</tr>
</tbody>
</table>