Package Contents
• 1080p HD Dome Security Camera
• Mounting Kit*
• BNC / Power Extension Cable*
• Power Adapter**

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

ATTENTION:
A REGULATED UL / CSA APPROVED power supply is REQUIRED for use with this camera (included). Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.

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.

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.

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### Installing the Camera

**ATTENTION:**
- Test your camera prior to selecting a permanent mounting location by temporarily connecting the camera and cable to your DVR.
- The camera base comes detached from the dome cover, follow the installation steps below before attaching the dome cover to the camera base.

**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:

1. **Set the camera base in the desired mounting position and mark holes for screws through the camera base.**
2. **Drill the holes. Insert the included drywall anchors if you are mounting the camera onto drywall.**
3. **Feed the 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.
4. **Connect the cables as shown in the section ‘Connecting the Camera’.**
5. **Mount the camera base to the mounting surface using the included screws and optional drywall anchors.**
6. **Place the dome cover over the ball camera and angle the ball camera to the desired position.**
7. **While holding the ball camera in place, firmly push the dome cover onto the camera base until it clicks in place.**
   - *If necessary, reposition the ball camera by firmly pushing the ball camera to the desired angle.*

   **NOTE:** If necessary, use a flat head screwdriver to detach the dome cover from the camera base.

8. **Remove the vinyl film from the camera lens when your installation is complete.**

### Connecting the Camera

- Connect the **male power head** and the BNC connector to the camera.
- Connect the **female power head** to the included power adapter.
- Connect the BNC connector to a video input on your DVR.

### 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**

*Images for representation only*

### Setup Diagram

- Camera base
- Mounting Surface
- Drywall Anchors (+3)
- Ball Camera
- Dome Cover
- Mounting Screws (+3)
- Male Power
- Female Power
- BNC Video
- Extension Cable
- 12V DC Power
- HD DVR
- Power Adapter
- Lorex model MCB-60BNC4 BNC Cable (included with camera)
- ‘RG59’ or ‘Coax’ or ‘Coaxial BNC’ Siamese (Video and Power)
- ‘RG59’ or ‘Coax’ or ‘Coaxial BNC’ (Video Only)

### Troubleshooting

**Problem**
- No picture / signal
- Picture is too bright
- Picture is too dark
- Night vision is not working
- Picture is not clear
- Bright spot in video when viewing camera at night

**Solution**
- The cameras are only compatible with certain Lorex HD DVRs. For the full list of compatible recorders, visit lorex.com/compatibility.
- Check the brightness settings of the DVR and monitor.
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- Check the brightness of your TV or monitor.
- Ensure the camera power supply is plugged in.
- The night vision activates when light levels drop. The area may have too much light.
- Check the camera lens for dirt, dust, spiderwebs. Clean the lens with a soft, clean cloth.
- Move your camera to a different location.

### 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 MCB-60BNC4 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>200ft (60m)</td>
</tr>
<tr>
<td>3</td>
<td>‘RG59’ or ‘Coax’ or ‘Coaxial BNC’ (Video Only)</td>
<td>500ft (150m)</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 200ft (60m), you must connect the power adapter directly to the camera, rather than at the end of the extension cable.
3. Baluns are not supported for LAE221.
4. Indicators that your cable run may be too long:
   - Video is permanently black & white [even during day time]
   - Video is unclear, soft, or distorted
5. For more information on extension cables, visit lorex.com.