Contents

- IR Night Vision Camera*
- Mounting Kit*
- 60ft 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 - It is recommended to connect the camera to the DVR or an external PoE switch. 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.

Dimensions

2.7"/70 mm   6.2"/158 mm

2.7"/70 mm
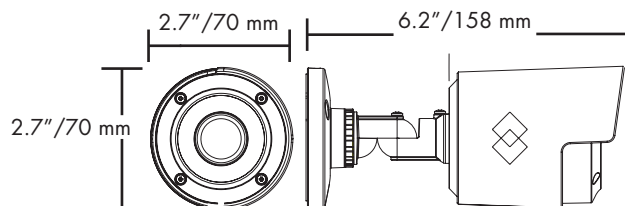
Disclaimers:

* 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.

Resources

Need Help?

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

1   Vist 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

LOREX®
BY FLIR®
1080P MPX IR BULLET CAMERA

Quick Start Guide
English Version 1.0

LBV2531 SERIES

Installing the Cameras

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.
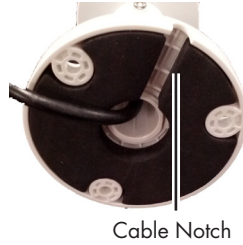
Cable Notch

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.
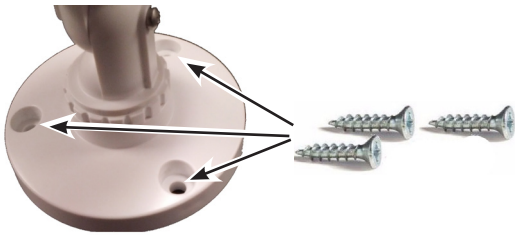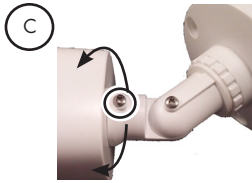
Adjusting the Camera

A

A) **Rotating the arm**: Loosen the adjustment ring between the camera arm and base by turning the ring counter-clockwise. Rotate the arm of the camera (up to 360°). When the arm is in the position you want, tighten the adjustment ring against the base by turning the ring clockwise.

B

C
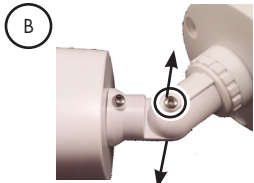
B) **Bending the arm**: Use a phillips head screwdriver (not included) to loosen the adjustment screw. Bend the arm of the camera to the position you want (up to 90°). Tighten the screw.
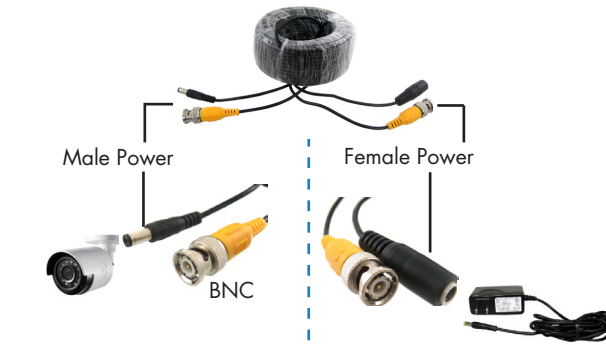
C) **Rotating the camera**: Use the screwdriver to loosen the adjustment screw. Rotate the camera to the position you want (up to 360°). Tighten the screw.

Connecting the Cameras

To Camera: **To DVR:**

Male Power   Female Power

BNC

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.
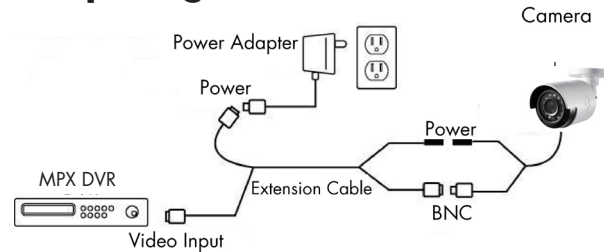
Individual Power Adapter   Multi-Camera Power Adapter

Setup Diagram

Camera

Power Adapter

Power

Power

MPX DVR

Extension Cable

BNC

Video Input

Cable Extension Options

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

Option	Cable Type	Max Cable Run Distance
1	Lorex model MCBL-60BNCU / MCBL-60BNCU2 BNC Cable (included with camera)	60ft / 18m
2	'RG59' or 'Coax' or 'Coaxial BNC' Siamese (Video and Power)	300ft / 92m
3	'RG59' or 'Coax' or 'Coaxial BNC' (Video Only)[2]	800ft / 242m

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.

Troubleshooting

Problem	Solution
No picture / signal	• 1080p cameras are compatible with 1080p HD DVR recorders. 720p cameras are compatible with 720p & 1080p HD DVR recorders. • Ensure connections are properly connected. • Ensure the camera power supply is plugged in.
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.
Picture is too dark	• Check the brightness and contrast settings of the DVR or monitor.
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 at a window. Move the camera to a different location.