Contents

- IR Night Vision Camera*
- Mounting Kit*
- 60ft BNC / Power Extension Cable*
- Power Adapter†

*Model CVC7731PK4 is a 4-pack that includes four of the listed items.
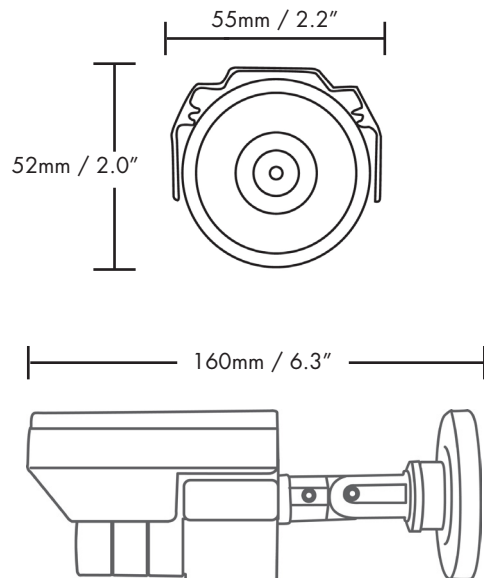†A "4-in-1" Power splitter cable may be provided depending on product configuration.

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
- 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. 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
- 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

55mm / 2.2"

52mm / 2.0"

160mm / 6.3"

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

THE FOLLOWING RESOURCES ARE ALWAYS AT YOUR FINGERTIPS

- 📂 Product Information
- 📄 Specification Sheets
- 📖 User Manuals
- 💻 Software Upgrades
- 🕐 Quick Start Guides
- Firmware Upgrades

LOREX®
BY ◆FLIR

WEATHERPROOF NIGHT VISION SECURITY CAMERA

Quick Start Guide
English Version 1.0

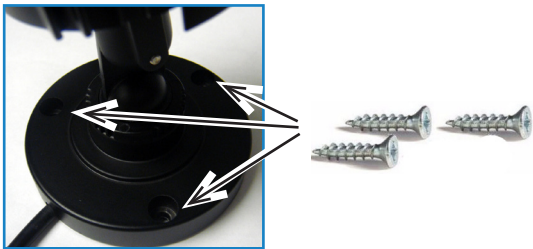CVC7731 SERIES

Installing the Camera

ATTENTION - Test all connections and ensure the camera is working correctly prior to permanent installation by temporarily connecting the camera(s) and cable(s) to the viewing / recording solution.
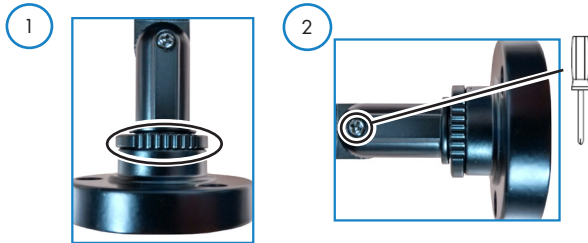
Before installing the camera:
- Decide whether to run the cables through the wall / ceiling (drilling required) or along the wall / ceiling.
- If you run the cables along the wall / ceiling, you must run the cable through the cable notch on the base. This will keep the camera base flush to the wall / ceiling when mounted.

To install the camera:
1. Set the camera in the desired mounting position and mark holes for the screws.
2. Drill the holes, then feed the cable through the mounting surface or cable notch and mount the camera stand to the surface using the provided screws. Make sure all three screws are fastened tightly at the connection points.

3. Set the position and angle of the camera using a Phillips-head screwdriver (not included).

1

2

1) Turn the ring to tighten / loosen the stand connection. Adjust the camera's horizontal position.

2) Loosen the lower screw to adjust the camera's vertical position.
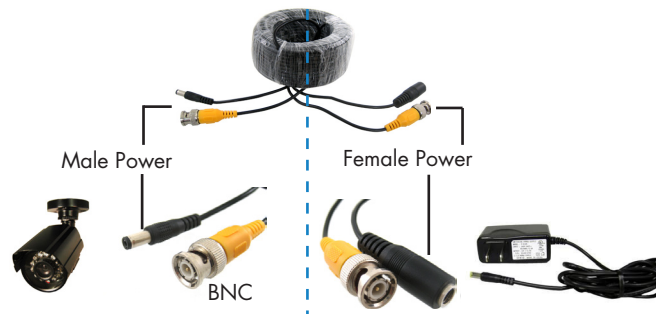
3

3) Loosen the upper screw to rotate the camera's position relative to the stand.

NOTE - This camera features night vision IR LED's that are completely invisible to the human eye when activated. The IR LED's will not glow red when night vision is on.

Connecting the Camera

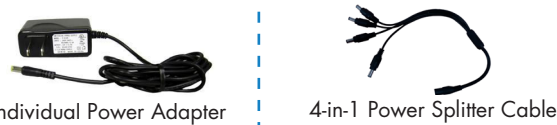**To Camera:**   **To DVR:**

Male Power   Female Power

BNC

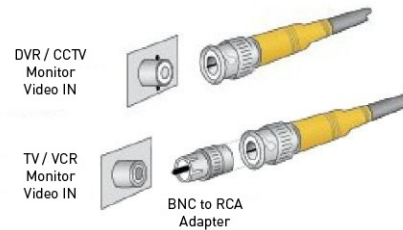1. Connect the BNC and power connectors to the camera.

2. Connect the BNC connector to the video input of the DVR.

3. Connect the power connector to the power adapter. **OR** Connect each camera to the power adapter via a 4-in-1power splitter.

Power Adapter
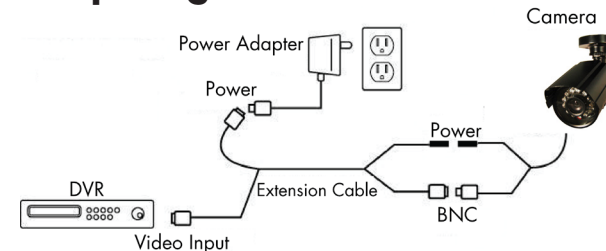A 4-in-1 Power Splitter may be provided depending on product configuration.

Individual Power Adapter   4-in-1 Power Splitter Cable

Connecting the Camera to a TV

DVR / CCTV Monitor Video IN

TV / VCR Monitor Video IN

BNC to RCA Adapter

Connect a BNC-to-RCA Adapter (not included, Lorex model # BNCB) to connect the extension cable to RCA inputs (i.e. for a TV connection).

Setup Diagram

Camera

Power Adapter

Power

Power

DVR

Extension Cable

BNC

Video Input

Cable Extension Options
Extend the cable run for your camera up to 300ft or more depending on the cable type used. See table below:

Option	Cable Type	Max Cable Run Distance	Max # of Extensions
1	Regular BNC (supplied with camera)	180ft / 55m	3
2	'RG59' or 'Coax' or 'Coaxial BNC' (sold separately)	300ft / 92m	5
3	Lorex Universal Cable (sold separately)	300ft / 92m	3

Notes:
1. For optimal performance, consider using option 2 or 3. It is best to use the same cable type for the entire distance.
2. Cable run recommendation based on typical camera power consumption (up to 500mA). For specialty cameras with higher current consumption, maximum cable run may be reduced. Consider providing power to the camera at the camera side, 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 distorted

Troubleshooting

Problem	Solution
No picture / signal	• Ensure your TV is on the correct input channel. Common terms of an input channel: INPUT, AV CHANNEL, LINE1, LINE2, AUX • If your camera is connected to a VCR / DVR, ensure it is properly connected to your TV / Monitor • 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) • Slide the sunshade (bullet cameras featuring adjustable sunshades only) forward to block excess light • Move your camera to a different location
Picture is too dark	• 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 of the device your camera connects to (TV / Monitor / DVR)
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
BNC connection does not connect to my TV	• Use a BNC to RCA adapter at the end of the extension cable