

## Contents

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

\*Model CVC7662PK4 is a 4-pack that includes four of the listed items.

\*\* A "4-in-1" Power Adapter that provides power to four cameras may be substituted for four individual power adapters, depending on product configuration.

**WARNING** - 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.

## Features

- Super+ Resolution with megapixel optics delivering crystal clear video at 660TV Lines
- BrightNight viewing with enhanced low light image sensor
- Close-up recognition at night with auto-light compensation prevents wash-out effect
- Anti-glare feature ensures clear images under strong lighting conditions
- Accurate colors with Lorex's automatic light filtering technology
- Reliable camera operation coupled with patented ImageCool™ technology ensures optimal performance in extreme temperatures (-22°F ~ 122°F / -30°C ~ 50°C)
- Long range infrared (IR) night vision (100ft / 30m)\*
- 3.6mm wide-angle lens captures a 78° Field of View (diagonal)
- Weatherproof design: ideal for indoor and outdoor applications (IP66)\*\*
- Day / Night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- Versatile mounting options: ceiling, counter or wall mountable
- 60ft BNC / power extension cable provided per camera

### Disclaimers:

\* IR Illumination Range under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.

\*\* Not intended for submersion in water. Installation in a sheltered location recommended.

## 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 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
- 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

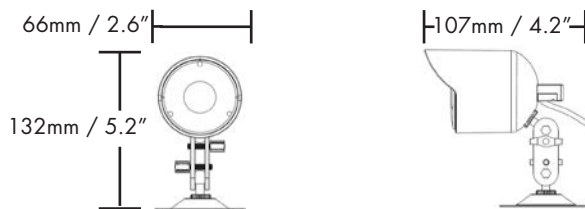
## Camera Specifications

Image Sensor	1/3" Color Image Sensor
Video Format	NTSC
Effective Pixels	H: 720 V: 480
Resolution	660 TV Lines
Scan System	2:1 Interlace
Sync System	Internal
S / N Ratio	48dB (AGC Off)
Iris	AES
AES Shutter Speed	1/60 ~ 1/25,000 Sec.
Min. Illumination	0.1 Lux without IR LED 0 Lux with IR LED
Video Output	Composite 1.0Vpp @ 75ohm
Lens / Lens Type	3.6mm F2.0 / Fixed
FOV (Diagonal)	78°
Termination	BNC Type
IR LED Qty. / Type	18 pieces / 850nm
Night Vision Range*	100ft / 30m
Power Requirement	12V DC $\pm$ 10%
Power Consumption	Max. 280mA (w / IR)
Operating Temp. Range	-22° ~ 122°F / -30° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating**	IP66
Weight (including stand)	0.6lbs / 0.3kg

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\*\* Not intended for submersion in water. Installation in a sheltered location recommended.

## Dimensions



FOR SUPPORT AND INFORMATION,  
VISIT [WWW.LOREXTECHNOLOGY.COM](http://WWW.LOREXTECHNOLOGY.COM)

Product Information

Specification Sheets

User Manuals

Software Upgrades

Quick Start Guides

Firmware Upgrades

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SUPER+ RESOLUTION WEATHERPROOF  
NIGHT VISION SECURITY CAMERA

Quick Start Guide  
English Version 1.0



VANTAGE

CVC7662 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.

To install the camera:

- 1. Mount the camera stand to the desired mounting surface.
- 2. Attach the camera to the stand at either of the two connection points at the back of the camera.



Wall Mount

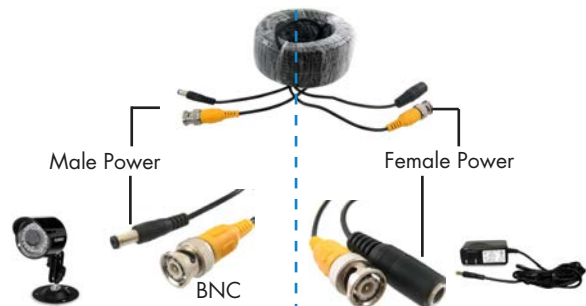
Use the stand for ceiling, table or wall mounting.



Connecting the Camera

- 3. Connect the extension cable to the camera.

To Camera:



Connect the BNC and power connectors to the camera.

To Monitor/DVR:

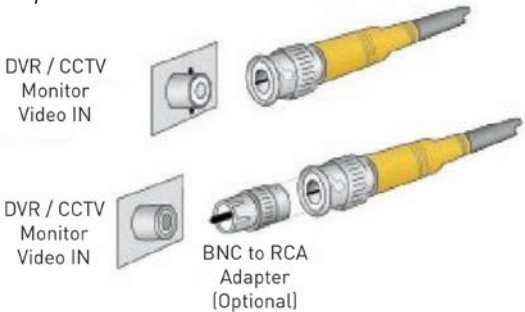


Connect the BNC connector to the video input of the monitor / DVR, and connect the included power connector to a power adapter. See Setup Diagram for details.

Connecting the Camera (Continued)

- 4. Connect the BNC connector on the other end of the extension cable to the DVR / Observation System or a TV / VCR.

**NOTE:** Connect a BNC-to-RCA Adapter (optional, Lorex model # BNCB) to connect the extension cable to RCA inputs (i.e. for a TV connection).



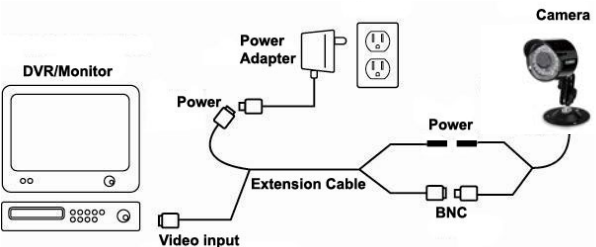
Connect the BNC Cable to a DVR, CCTV monitor or TV.

- 5. Connect the AC Power Adapter to the 60ft extension cable (black connector). Plug the power adapter into a power outlet.



\*\* A "4-in-1" Power Adapter that provides power to four cameras may be substituted for four individual power adapters, depending on product configuration.

Setup Diagram



**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 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 specially 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	<ul style="list-style-type: none"><li>• Ensure your TV is on the correct input channel. Common terms of an input channel: INPUT, AV CHANNEL, LINE1, LINE2, AUX.</li><li>• If your camera is connected to a VCR / DVR, ensure it is properly connected to your TV / Monitor.</li><li>• Ensure connections are properly connected.</li><li>• Ensure the camera power supply is plugged in.</li></ul>
Picture is too bright	<ul style="list-style-type: none"><li>• Ensure your camera isn't pointed directly at a source of light (e.g. sun or spot light).</li><li>• Slide the sunshade (bullet cameras featuring adjustable sunshades only) forward to block excess light.</li><li>• Move your camera to a different location.</li></ul>
Picture is too dark	<ul style="list-style-type: none"><li>• 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.</li><li>• Check the brightness and contrast settings of the device your camera connects to (TV / Monitor / DVR).</li></ul>
Night vision is not working	<ul style="list-style-type: none"><li>• The night vision activates when light levels drop. The area may have too much light.</li></ul>
Picture is not clear	<ul style="list-style-type: none"><li>• Check the camera lens for dirt, dust, spiderwebs. Clean the lens with a soft, clean cloth.</li><li>• Make sure that the cable run is within the limitations specified in the section 'Cable Extension Options'.</li></ul>
Bright spot in video when viewing camera at night	<ul style="list-style-type: none"><li>• Night vision reflects when pointing a camera at a window. Move the camera to a different location.</li></ul>
BNC connection does not connect to my TV	<ul style="list-style-type: none"><li>• Use a BNC to RCA adapter at the end of the extension cable.</li></ul>