Cable Extension Options

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

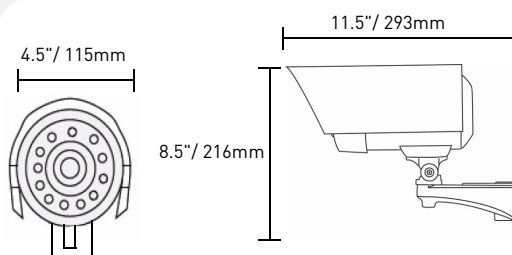| Option	Cable Type	Max. Cable Run Distance	Max. # of Extensions
1	Regular BNC (supplied with camera)	180ft / 55m	3
2	'RG59' or 'Coax' or ' Coaxial' BNC (sold separately)	300ft / 92m	5
3	Lorex Universal Cable (sold separately)	300ft / 92m	3

Notes:
1. For optimal performance, consider using option 2 or 3. Preference for using 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 then 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 all 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 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 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 to 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.

Camera Specifications

Image Sensor	1/3" Color
Video Format / Pixels	NTSC: 768(H) x 494 (V)
Horizontal Resolution	540 TVL
Minimum Illumination	0 LUX (IR LEDs on)
Field of View (diagonal)	54 Degrees
Lens / Lens Mount	6.0 mm F1.4/ Fixed
Video Output	Comp. 1.0 Vpp @ 75ohm
Environmental Rating	IP 67
Termination	Video: BNC Female Power: Barrel Female
Operating Temp.	14°F ~ 122°F (-10°C ~ 50°C)
Power Requirement	12V DC ±10%
Power Consumption	700mA or 8.4W max
IR / Night Vision Range	56 IR LED / 130 ft. (40 m)
Weight (with stand)	2.3 lbs. / 1.1 kg

4.5"/ 115mm
11.5"/ 293mm
8.5"/ 216mm

IT'S ALL ON THE WEB!
www.lorextechnology.com

🗀 Product Information

📄 Specification Sheets

📖 User Manuals

💻 Software Upgrades

🕐 Quick Start Guides

📷 Firmware Upgrades

PROFESSIONAL LONG RANGE OUTDOOR SECURITY CAMERA

MODEL: CVC6999U

QUICK START GUIDE

English Version 1.0

LOREX®

www.lorextechnology.com

Contents

- Camera with cable pass through wall bracket
- Sunshade
- 66 ft. BNC/Power Extension Cable
- BNC to RCA Adapter
- 12V DC Power Adapter
- 4x Mounting screws
- 4x Wall plugs
- 1x Allen key
- 1x Mounting template

Features

- Ultra High Resolution image sensor produces 540 TV lines of resolution
- Advanced noise reduction improves image quality and recording storage efficiency
- Intelligent IR technology prevents image overexposure
- Capable of viewing images up to 130ft (40m)* away in total darkness with IR night vision
- 6mm lens captures far away objects
- Cable pass-through wall mount bracket protects the connection cable from vandalism
- IP67 rated housing for indoor / outdoor installations**

* IR illumination range under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
** Not recommended for submersion in water

Installation Tips

- Point the camera towards a direction 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.
- Connect your system and cameras to a back-up power supply. This ensures the system continues to record during power outages.

Warning / Caution Statements

1. Read this guide carefully and keep it for future reference.
2. Follow all instructions for safe use of the product.
3. Use the camera within given temperature, humidity and voltage levels noted in Camera Specifications.
4. Do not disassemble the camera.
5. Do not point the camera directly towards the sun or a source of intense light.
6. Use only the supplied regulated power supply. Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.
7. The supplied extension cable is rated for surface mounting only. Cables for in-wall / floor-to-floor installations are sold separately.

Installing The Camera

ATTENTION - Test all connections and ensure the camera is working correctly prior to permanent installation.
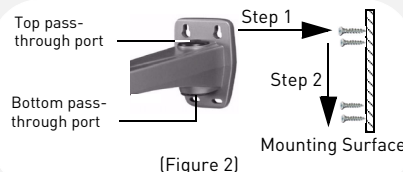
ATTENTION - Ensure there is an opening in your mounting surface large enough for the cables to pass through. If necessary, you can run the cables through the pass-through ports at the top or bottom of the stand.

To install the camera:

1. Apply the mounting template sticker to the desired mounting location (Figure 1).
2. Drill the holes according to the template, and push the wall plugs into the holes.
3. Fasten the four screws 3/4 of the way.
4. Place bracket onto the screws (step 1) and gently lower the bracket so that the screw locks the bracket in place (step 2) (Figure 2).
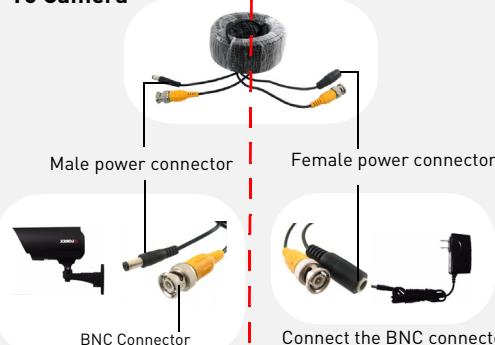5. Fasten the screws until they are secure.

Template Sticker (Figure 1)

Top pass-through port
Bottom pass-through port
Step 1
Step 2
Mounting Surface
(Figure 2)

6. Set the position and angle of the camera using the provided Allen key.

7. Connect the extension cable to the camera:

To Camera   **To Monitor/ DVR**

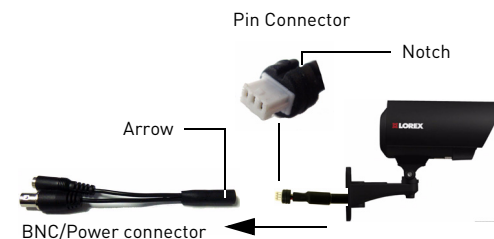Male power connector   Female power connector

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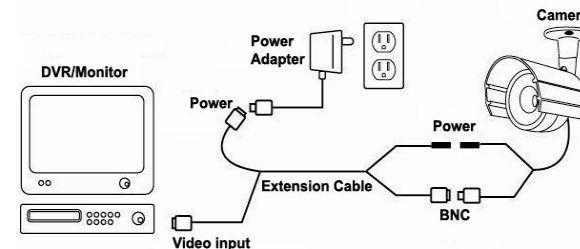
Connect the BNC and power connectors to the camera.

Connect the BNC connector to the video input of the monitor/DVR, and connect the included power connector to a power adapter.

Connecting the Pin Connector

If the pin connection becomes loose, simply re-connect the pin connector to the BNC/power connector. Line up the notch on the pin connector with the arrow on the BNC/Power connector, and push the connectors together. The pin connector goes in one way only.
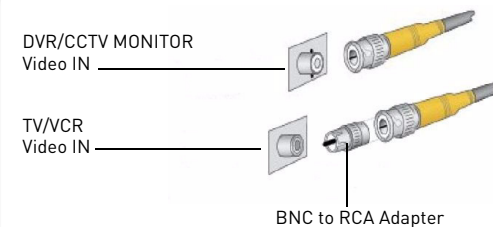
Pin Connector
Notch
Arrow
BNC/Power connector

Setup Diagram

DVR/Monitor
Power Adapter
Camera
Power
Power
Extension Cable
BNC
Video input

Accessories

BNC to RCA Adapter (included)

DVR/CCTV MONITOR Video IN
TV/VCR Video IN
BNC to RCA Adapter

Attach the included BNC to RCA adapter to connect the extension cable to RCA inputs (i.e. for a TV connection).