

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:

- For optimal performance, consider using option 2 or 3. Preference for using the same cable type for the entire distance.
- 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.
- Indicators that your cable run may be too long:
 - Video is permanently Black & White (even during day time)
 - Video is distorted

Troubleshooting

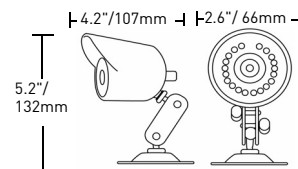
| Problem | Solution |
|---|---|
| No Picture/Signal | <ul style="list-style-type: none"> Ensure your TV is on the correct input channel. Common terms of an input channel: INPUT, AV CHANNEL, LINE1, LINE2, AUX. If your camera is connected to a VCR/DVR, ensure it is properly connected to your TV/Monitor. Ensure connections are properly connected. Ensure all the camera power supply is plugged in. |
| Picture is too bright | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> The night vision activates when light levels drop. The area may have too much light. |
| Picture is not clear | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> Use a BNC to RCA adapter at the end of the extension cable. |

Camera Specifications

| | |
|-------------------------------|---|
| Image Sensor | 1/4" Color |
| Video Format / Pixels | NTSC: 640(H) x 480 (V) |
| Horizontal Resolution | 420 TVL |
| Sync. & Scan. Systems | Internal; 2:1 Interlace |
| S/N Ratio | > 48dB |
| Iris & Shutter Speed | AES; 1/30 ~ 1/62,500 sec. |
| Minimum Illumination | 0 LUX (IR LEDs on) |
| Video Output | Comp. 1.0 Vpp @ 75ohm |
| Lens / Lens Mount | 3.6 mm F1.8/ Fixed |
| FOV (diagonal) | 64 Degrees |
| Termination | Video: BNC Female Power: Barrel Female |
| IR / Night Vision Range | 18 IR LED/60 ft. / 18 m* |
| Power Requirement | 12V DC \pm 10% |
| Power Consumption | 170 mA or 2W max |
| Operating Temp. | 14°F ~ 122°F (-10°C ~ 50°C) |
| Weight (with stand) | 0.6 lbs. / 0.26 kg |
| Dimensions WxLxH (with stand) | 2.6" x 4.2" x 5.2" 66 mm x 107 mm x 132 mm |

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

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Product Information

User Manuals

Quick Start Guides

Specification Sheets

Software Upgrades

Firmware Upgrades

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IR BULLET CAMERA

QUICK START GUIDE
English Version 1.0



VANTAGE
CVC6941

Contents

- Indoor / Outdoor Color Camera with Night Vision
- Mounting Stand
- 60 ft. BNC/Power Extension Cable
- BNC to RCA Adapter
- AC Power Adapter

Features

- 18 IR LEDs provide night vision range up to 60ft (18m)¹
- True day/night operation using built-in IR filter changeable mechanism to achieve accurate color representation in varying lighting conditions
- Advanced day/night mode: picture automatically switches to B&W delivering better clarity in low light conditions
- Weatherproof design: ideal for outdoor and indoor applications (IP66)²
- Easy connect to any DVR, observation system, TV or VCR
- Ceiling or wall mountable

1. IR illumination range under ideal conditions. Objects at or beyond this range maybe partially or completely obscured, depending on the camera application.
2. Not recommended for submersion in water. Installation in a sheltered location recommended.

WARNING - A REGULATED UL/CSA APPROVED 12V DC power supply is REQUIRED for use with this camera. Use of a non-regulated, non-conforming power supply can damage this product and will void the warranty.

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.
- Connect your system and cameras to a back-up power supply. This ensures the system continues to record during power outtages.

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 the camera prior to selecting a permanent mounting location by temporarily connecting the cameras and cables to a DVR, or Observation System.

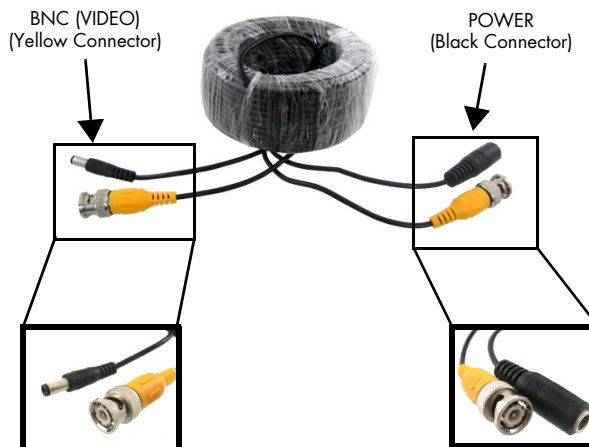
To install the camera:

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



Figure 1.0 Use the stand for ceiling, table, or wall mounting.

3. Connect the 60ft 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 power connector to a power adapter.

Figure 2.0 Connect the BNC and power ends of the extension cable

Connecting The Camera

4. Connect the BNC end of the 60ft Extension Cable to the DVR / Observation System or to a TV/VCR:

NOTE: Connect a BNC to RCA Adapter as needed to allow for proper connectivity.

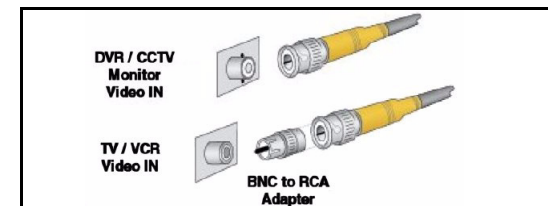


Figure 3.0 Connect the BNC cable to a DVR, CCTV monitor or TV

5. Connect the A/C Power Adapter to the 60ft Extension cable (Black connector). Plug the Power adapter to a wall outlet.



Figure 4.0 Connect an AC power adapter

ATTENTION: This camera includes a Auto Mechanical IR Cut Filter. When the camera changes between Day/Night Lighting, an audible clicking noise may be heard coming from the camera. This clicking is normal, and indicates that the camera filter is working.

Setup Diagram:

