

## 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 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.
- Indicators that your cable run may be too long:
  - Video is permanently Black & White (even during day time)
  - Video is distorted

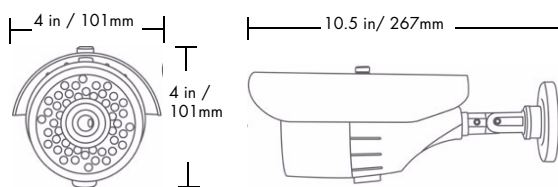
## Troubleshooting

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 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 backwards to let in more light. 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 to 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>

## Camera Specifications

Image Sensor	1/3" Sony Super HAD™ II
Video Format / Pixels	NTSC: 768(H)×494(V)
Horizontal Resolution	600 TVL
Minimum Illumination	0 LUX (IR LEDs on)
Field of View (diagonal)	60 Degrees
Lens / Lens Mount	6.0mm F2.0 / Fixed
Video Output	Comp. 1.0 Vpp @ 75ohm
Environmental Rating	IP 66*
Termination	Video: BNC Female Power: Barrel Female
Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)
Power Requirement	12V DC ±10%
Power Consumption	600 mA or 7.2W max
IR / Night Vision Range	47 IR LED/120 ft. (37 m)*
Weight (with stand)	1.6lbs. / 0.8 kg

\*Not intended for submersion in water. Installation in a sheltered location recommended.  
\*\*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
- Specification Sheets
- User Manuals
- Software Upgrades
- Quick Start Guides
- Firmware Upgrades

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**LOREX**  
VIEW YOUR WORLD™

**SUPER RESOLUTION  
IR NIGHT VISION CAMERA**

**QUICK START GUIDE**  
English Version 2.0



**VANTAGE**  
LBC6050 Series

# Contents

- 1 x Super Resolution Color Camera with cable pass-through stand
- 3 x Mounting screws / 1 x Allen key
- 1x 60ft. BNC/Power Extension Cable
- 1x BNC to RCA Adaptor
- 1x Power Adapter

**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

- 600TV line resolution for unmatched video quality
- Latest Sony Super HAD™ 2nd generation Image Sensor
- Advanced Noise Reduction for crystal clear Night Vision
- Improved recording storage efficiency by up to 30%
- Dual glass design prevents IR light reflection
- Long range Night Vision for far away night time coverage
- Weatherproof, vandal resistant aluminum housing\*
- Flexible camera design for wall and ceiling mounting

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

# 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

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 by temporarily connecting the camera(s) and cable(s) to the viewing/recording solution.

## Before Installing The Camera

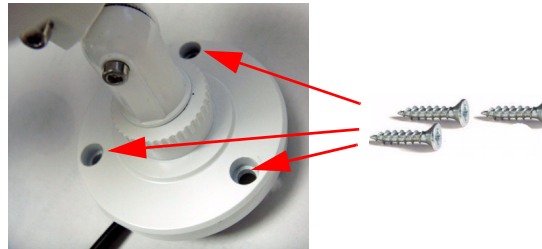
- Decide to run the cables through the wall/ceiling (drilling required), or along the wall/ceiling.
- If you run the cables along the wall/ceiling, you must run the cable through the cable notch on the base. This will keep the camera base flush to the wall/ceiling when mounted.



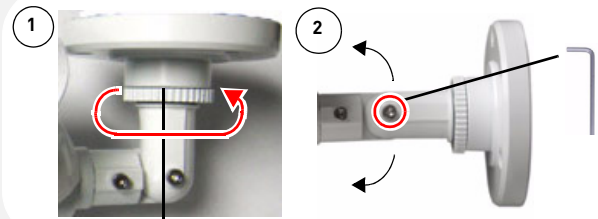
Cable notch

To install the camera:

1. Set the camera in the desired mounting position and mark holes for the screws.

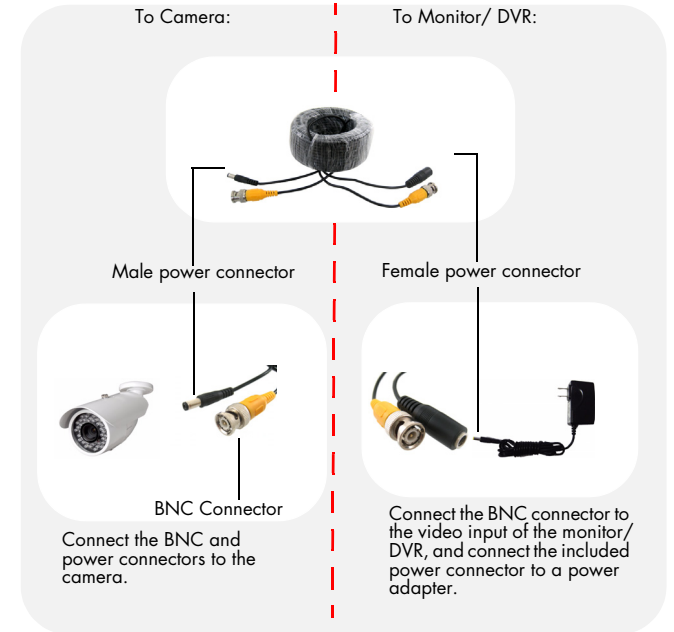


2. Drill the holes, then feed the cable through the mounting surface and mount the camera stand to the desired surface using the provided screws. Make sure all three screws are fastened tightly at the connection points.
3. Set the position and angle of the camera using the provided Allen key.

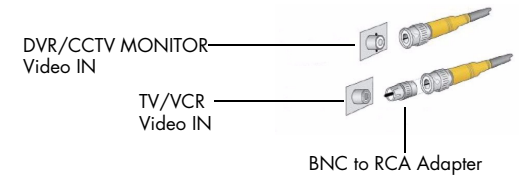


- 1) Twist the ring to tighten / loosen the stand connection. Adjust the camera's horizontal position.
- 2) Loosen the screw and adjust the camera's vertical position.

# Connecting The Camera



# 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).

# Setup Diagram

