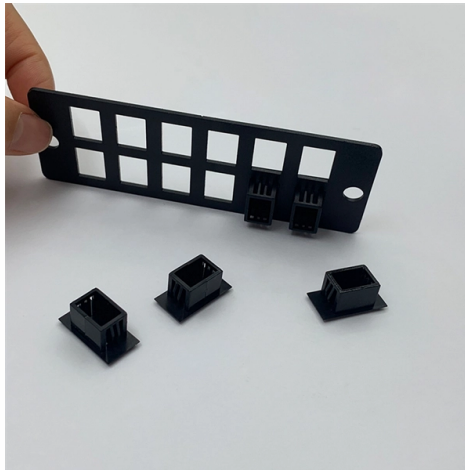


## How to wire the surveillance camera to the power distribution box



### AI Overview

To connect a surveillance camera to a power distribution box, use the correct DC wiring, match positive and negative leads, and secure connections with a Siamese or plug-and-play cable. **Step-by-Step Guide**

1. Choose the Right Cable For analog cameras, use a Siamese coaxial cable that combines video and power wires. For IP cameras, you may use Cat5e/Cat6 Ethernet cables with PoE injectors if applicable. Ensure the cable length is sufficient to reach from the camera to the power box.
2. Identify Positive and Negative Leads DC power wires have polarity: red is positive (+) and black is negative (-). Double-check the camera's power input and the power box terminals to avoid reversing polarity, which can damage the camera.
3. Connect the Camera to the Cable Attach the male DC power terminal from the cable to the camera's power pigtail or input. Connect the BNC connector (for analog cameras) to the camera's video input if using a Siamese cable.
4. Connect the Cable to the Power Distribution Box Strip the cable ends if necessary and attach the red and black leads to the corresponding screw-down terminals in the power box. If using a plug-and-play PT-3 lead, simply screw the labeled positive and negative wires into the power box terminals.
5. Mount and Power the Box Secure the power distribution box to a wall near your DVR or central location using anchors and screws. Plug the box into a standard AC outlet. Modern boxes may include PTC auto-reset fuses for surge protection, which automatically reset if overloaded.
6. Test the System Turn on the power box and verify that the camera powers up. Check the video feed to ensure proper connection. Inspect all wiring for secure connections and correct polarity.

**Tips for Safety and Reliability** Always turn off the power before making connections. Use weatherproof junction boxes for outdoor cameras to protect wiring. Label cables for...

## Article Content

### Security Camera Wiring: Ultimate Installation Guide 2026

In this guide, we will walk you through everything you need to know about security camera wiring—from understanding the different types of cables used in security systems to a step

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The two 18 gauge wires are used to transmit power from the multiple output power supply box (usually located by the DVR) to each camera. Plug in the positive and

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CCTV Power Supply Box, Power Distribution Box for CCTV

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In today's video, we'll be unboxing the 9-Port Power Supply Box and demonstrating how to connect the cables to provide power to CCTV cameras.

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### Guide to CCTV Power Cables, Junction Boxes

In this guide, we'll break down everything you need to know about powering your CCTV system, protecting your wiring, and securely mounting your

### Surveillance System Setup using a Power Supply Box

In this video we will demonstrate how to connect a security camera to a surveillance DVR using BNC plug and play CCTV cables and a power distribution box. The following equipment is used...

## Contact Us

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