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Causes of Video Blackouts

1. Power Supply Problems

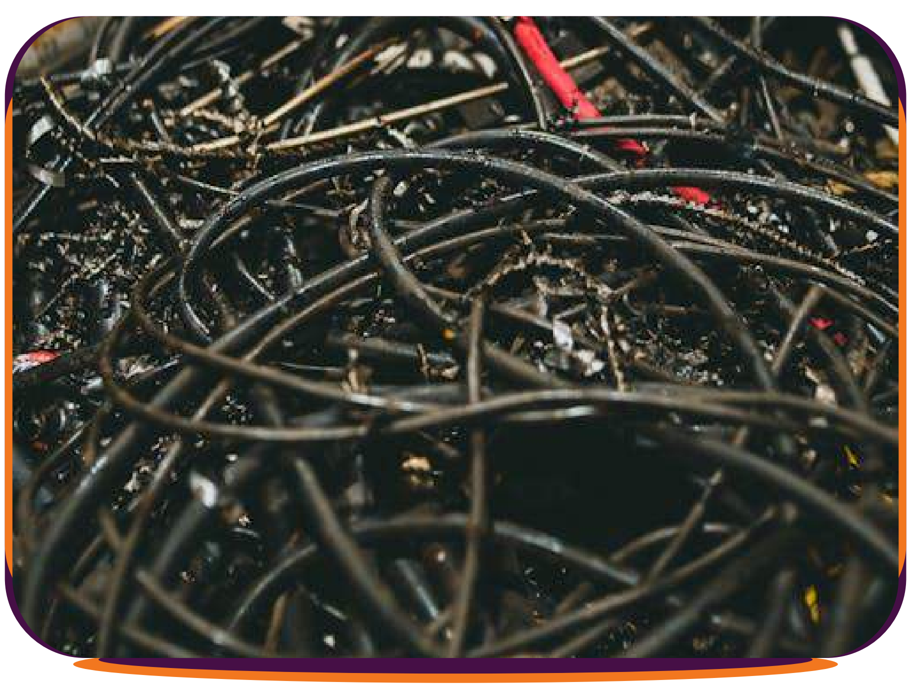
Power issues often leave cameras offline. Loose cables, outages, or underpowered systems are the main culprits. Cameras with night vision or other power-heavy features stop working first. Securing power cables and upgrading to a proper power supply usually solves the problem.

2. Network Instability

If your cameras keep losing their connection, your network might be the issue. It happens when you place cameras too far from the router, and the WiFi signal drops. You can fix this by moving cameras closer to the router, upgrading your network equipment, or prioritizing camera traffic in your settings.

3. Infrared Night Vision Failures

Sometimes, cameras lose their night vision and struggle to capture anything in the dark. Dirty lenses or faulty infrared LEDs are usually the reason they stop working properly when the lights go out. To fix this, clean the lens and enable "Night Vision" or "IR Mode" in the settings.



4. Cable Problems

Cable issues are among the most common and frustrating causes of video blackouts in security systems. The solution lies in regular maintenance and prompt attention to early warning signs. When you spot signs of wear or damage, replace the cables immediately.

5. Software and Firmware Glitches

Outdated software often makes cameras freeze, skip footage, or stop working entirely. You'll notice this when cameras disconnect unexpectedly and refuse to reconnect or when features like motion detection stop working properly. Check the settings, update the firmware, and reboot your system to see if this fixes the issue.

6. Compatibility Issues

Using mismatched equipment often leads to video loss and frustration. Incompatible brands or signal types make it harder for devices to work together, causing gaps in your surveillance. Stick to compatible devices, and if you're unsure, consult IT service providers for expert advice.

7. Signal Interference

Signal interference messes with your camera feed and ruins video quality. This happens when you put cameras on metal surfaces, and the signal gets blocked. Mount the cameras on non-metal surfaces, keep them away from electrical equipment, and add surge protectors to stop this from happening.

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