

Question: What are 3 great uses for Handy Battery?

Answer: Lightweight, rechargeable & portable, the Handy Battery is great for testing CCTV installations and troubleshooting.

1 Check for volt drop

Volt drop occurs when the cable powering the camera is too long or not high spec enough to supply sufficient voltage to power the camera.

Symptoms include: rolling or tearing image, dark or B&W image.

It's easy to diagnose if this the problem using the Handy Battery. Simply disconnect your problem camera from the existing power supply and connect it to the Handy Battery. If the picture rectifies itself then the problem is volt drop. You will need to look at the following options of increasing the spec of the power cable, somehow shortening its length, powering the camera locally or even just consider using a 24V AC camera and matching power supply.

Product Code:
BAT005



2 Check for groundloops

A humbar occurs when there is more than one "ground" or "earth" between two pieces of equipment, which in turn creates a loop in which current can flow also known as a groundloop.

Symptoms include: a rolling gray bar across the camera's image.

By using the Handy Battery to power the camera locally, the image should immediately rectify itself. Humbars can arise from a number of causes so it may not be possible to diagnose the cause. Consider using a **Humbloc** (order code: CON700) as a fast way to remove the existing groundloop problem.



'Humbars' appear as a rolling grey line across your monitor picture.



If the Handy Battery solves your problem you may be suffering from voltage drop or a groundloop problem.

3 Testing 2 wirefree products

Wirefree transmission products are more often than not used in awkward installations so save yourself time and frustration on site by setting up your wirefree products on a bench before heading to site. Use a Handy Battery at each transmission end to power your products and set up your items without battling any on-site challenges and of course the elements.

This CCTV installation tip is aimed at helping you to install CCTV equipment. If you are looking for answers on "how to fit CCTV" or perhaps "how to network a DVR or NVR" or even "how to get CCTV on your mobile phone" why not check out our full range of CCTV installation tips at: www.systemq.com

How to guides aim to answer commonly asked questions in a concise and informative manner. They are for advice & guidance only and do not replace any of the manuals or other literature supplied with our products.