



How to FIT CCTV

Tip No:

327

Question: What is the difference in quality between CIF resolution and HD-SDI resolution DVR images?

Answer: The CIF image size is 20x less than the HD-SDI format available on the alienHERO HD DVR. HD-SDI are made of a staggering 2,073,6000 pixels ensuring sharp quality images.

CIF resolution



Try reading the number plate & identifying the facial features of the man.

HD-SDI resolution



Contrast the CIF picture to the HD-SDI one from an Alien HD-SDI DVR. The car number plates are clearly recognisable and so are the man's facial features.

On a DVR that records in CIF quality, the image above would be effectively scaled to fit the screen and would be blurred and "blocky" the number plates would be harder to read and the man would be less recognisable.

To do this comparison of CIF to HD-SDI, each image has been **scaled so that they are in proportion to the pixels that they are recorded at**. So what you can recognise in one image and not the other is the "real world" difference of a CIF DVR to that of the Alien HD-SDI DVRs.

The **CIF image size is around 20x less than the HD-SDI** format and you could fit around 20 CIF images in to the HD-SDI one.

An Alien HD-SDI DVR records in the **same resolution that you would receive from HD-TV** at home, this is 1920x1080 pixels. So if it was displayed on a large monitor you get that sharp clarity and superb detail you require.

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

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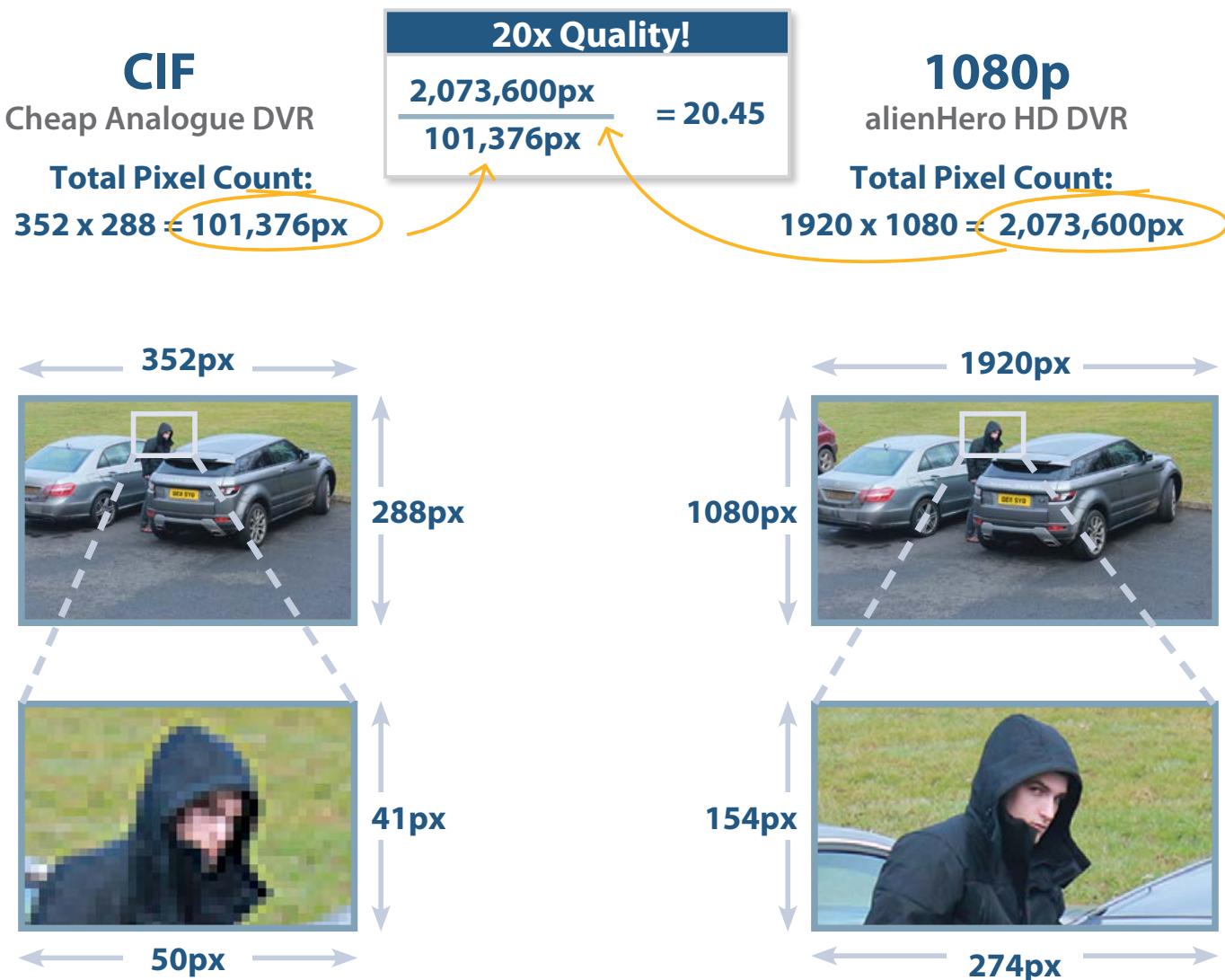
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CCTV equipment resolutions are often a bit mystifying but in essence all the different resolution means is how many pixels are used to make up the picture. The more pixels (small squares of colour) you have the more detail you can display!

Most cheap analogue DVRs offer CIF recording, and the more expensive offer 4CIF. Our Alien HD DVRs offer a staggering **1920 x 1080 pixel recording** and live display. If you look at the diagram below you can see that it provides 20x more image quality than a cheap analogue DVR!



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