

CCTV Cabling Guides - SD CCTV - Single Camera Setup

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(Standard Definition CCTV - also known as Analogue CCTV)

SD CCTV transmits an image from a camera to a monitor / recording unit. Traditionally this was always done using RG59 Coax cable - however in recent years it has been possible to use Cat5 cable as long as you use Cat5 baluns.

The most important feature to be aware of is "Standard Definition" - SD CCTV is limited in the image resolution it can produce, it provides image resolutions much lower than HD. Most good SD CCTV systems will produce D1 resolution images, the very latest and highest possible image quality in SD CCTV is called 960H.

- D1 Resolution - is 720 x 576 pixels - that's a total of 414,720 pixels
- 960H Resolution - is 960 x 576 pixels - that's a total of 552,960 pixels

Single Camera Setup

In image "A" below you see a single camera connected directly to a monitor/TV. Obviously this is not a recording system - only a monitoring solution. You could run the video signal upto 200 Metres using coax cable - even further with Cat5 cables. However you would need to power the camera at it's location.

A



If you only need to use a short cable run (up to 25 Metres (approx)) then you could use what we refer to as "shotgun" cable, which is video and power cable in one. This would enable you to power the camera from a power supply located near the monitor/TV as shown in image "B" below:

B

