

**CCT513 Hi-Res Vari-focal Colour Dome Camera Instructions**

The CCT513 is an attractively designed dome camera with an exceptional 530 TVL resolution. The 3.5-8 mm vari-focal lens gives the flexibility to adjust the angle of view from a wide-angle general shot to a more narrow precise shot. This unit is 12v DC and is ideal for internal ceiling mount fitting. The dome camera comes complete with a short BNC plug and 2.1 mini jack for video and power connections. The futuristic design of the CCT513 would make it ideal for any modern office or retail environment and its high spec make it a good choice for bars or clubs.

**Features**

- Hi-Res 530 TVL
- Futuristic design
- The dome is fitted with a 3.5-8mm Vari-focal lens.
- Domes are for internal ceiling mount fitting.
- Video and power connected via a fly lead.

**Camera Specifications**

	<b>CCT513</b>
<b>Camera Spec</b>	<b>Hi-Res Colour – 12V DC</b>
Image Sensor	1/3" Colour
Image Output	1V <sub>pk-pk</sub> 75Ω
Resolution	530TVL
Min Illumination	0.5 Lux @ F1.6
Input Voltage Range	12V DC ± 10%
Power Consumption	220mA / 2.65W
Lens	3.5-8 mm Vari-focal
AGC	Automatic
AWB	Automatic
Size	Dia 128 x H96mm

**Installation Instructions****Connecting dome to 12v DC power**

The camera is provided with a 2.1mm Mini Jack plug on a fly lead that allows you to connect the power supply to it. When powering these dome cameras with a 12V DC power supply, ensure that the supply is regulated. It is recommended to use a power supply that is rated higher than the current consumption of the camera i.e. allows 25% - 30% minimum headroom, so for these cameras a minimum requirement would be a continuous rating of 300mA or higher per camera. This prevents the PSU from running at its maximum rating for long periods of time. A POW150 or higher is recommended.

**Connecting the camera to video control equipment.**

The dome camera comes with a fly lead for power and video out. To reduce installation time the video out lead is terminated into a male BNC connector. This allows the installer to effortlessly connect the camera to control equipment via a female BNC-BNC lead.

Remember that the Video out from the camera is like any other electrical circuit and requires two wires to complete the circuit. When using a co-ax type cable such as RG59 or similar, the outer braid of the co-ax provides the "0V GROUND" connection and the inner core provides the "Video" connection.



It is recommended that when you are first setting up the cameras that you use a short BNC-BNC cable to link the camera directly to the monitor and to set it up at the same time. This allows you to both understand the camera and get the very best out of this great product, as you will be able to adjust the camera whilst looking at the monitor screen. Obviously whilst you are setting up the camera, it does need to be powered!

**Securing the dome**

First select a suitable position to mount the dome. This must be an internal installation and fitted to a ceiling.

Unscrew the dome housing from the base by turning anti-clockwise.

Make a hole in the ceiling to take the video and power cables and secure the base using mounting screws.

Rotate the camera base, set camera angle of view and then refit dome cover. Secure the dome cover with the retaining screw.



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