FEATURES

- ♦ **Very easy to use**
- ♦ **Works with most CCTV equipment**
- ♦ **Scart / Phono /BNC connections covered**
- ♦ **Supplied with a 300ma 12v PSU**
- ♦ **Quality cable in black or white**
- ♦ **25 metre cable supplied**

These dome camera kits can be installed, and up and running in minutes. There are four models in the range. The kits come with either a CCT560 dome camera with a black & white 3.6mm board lens camera or a CCT565 dome 3.6mm colour camera, each with a choice of black or white cable. All kits are supplied with connectors, power supply, 25 metres of cable and instructions. The universal connection kit allows connection to a monitor, television with scart socket, VCR, CCTV timelapse unit or DVR.

Dome Camera Systems Covered by these Instructions

SYS180	Black & White 3.6mm dome camera with **white** cable
SYS181	Black & White 3.6mm dome camera with **black** cable
SYS182	Colour 3.6mm dome camera with **white** cable
SYS183	Colour 3.6mm dome camera with **black** cable

A multi-purpose connection lead is supplied, which makes connecting and powering a CCTV camera easy. Made from a quality composite video and audio cable with pre-fitted moulded connectors, installing this kit requires no special tools or soldering equipment. The video, audio and power are all carried through this one cable for simple easy installation. Several connectors and converters are supplied with the kit to enable the maximum number of different cameras, monitors and VCRs to be connected together with ease. Ideal for connecting a single CCTV camera to a suitable TV, VCR, Monitor or DVR.

GETTING STARTED
The cable has two distinct ends. One is the camera end and one is the monitor/VCR end. You can recognise the monitor end as this has a D.C POWER SOCKET that allows the PSU to be plugged into it. The camera end of the cable has a D.C PLUG that plugs into most 12V types of CCTV camera.

1- Positioning your Dome Camera.
As with most CCD cameras, avoid directing the camera at any object or surface, which contains bright spots that may cause flare on the resulting camera picture. To reduce flaring, try to ensure that the camera is looking at a scene with uniform brightness and not a dark scene with just one well-lit area. Otherwise, the "electronic iris" will become confused and the camera will "average" the picture to a dark scene and show the bright spot as a flared image.

2- Running out the cable.
Before you run out the cable make sure that you have correctly identified the camera and monitor ends to save wasting time and effort turning the cable around.

3- Connecting the cable to the camera.
The dome camera range come with a fly lead for power and video. To reduce installation time the video out lead is terminated into a male BNC connector. A BNC to phono adaptor is supplied to use with the cable supplied.

4- Connecting the cable to the monitor
On the back of the monitor there may be one of the following types of connection: - Phono, BNC or Scart. The yellow Phono connector is for the video signal. The white Phono connector is for an audio connection, although the dome is not fitted with any audio facility. Using the connectors supplied, you can connect the cable to these inputs.

5- Powering the camera.
The PSU included with the kit is only suitable for 12V camera systems that have a total load of less than 250mA. The maximum power consumption of the dome camera is 100mA. Once you are confident that the camera and monitor are connected correctly, you can plug in the PSU and power up the system. On CCTV monitors, a picture should instantly appear when you power up the system.

You can of course connect the dome camera to a switcher, quad or DVR directly before the monitor as well as straight to the monitor. If you wish to do this, it is always recommended that you initially set up the camera ONLY to the monitor to prove that they are connected and set up correctly. Once you have proved they are working satisfactorily, you can proceed to installing the dome camera with any other equipment. If you fail to get a picture after you introduce other CCTV equipment such as a switcher, quad, DVR or VCR, then go back to basics and connect the dome camera directly to the monitor to ensure you get a picture. You can then eliminate item by item in your full system to identify the cause of the problem.

Scart connections.
To view the camera picture on a TV with a Scart input, you must first set the TV to its 'AV' channel. Often this is a blue screen with no input or connection to its Scart. Some TVs and videos have an "AV" button on the remote control handset to select the AV channel. If this is not the case, try

pressing the 0 button then use the channel down button and see if the AV channel appears. Failing this, refer to the TV's instructions for selecting the AV channel. When using the kit with a domestic TV and VCR, you must always start with it connected to the TV's Scart input first so you can prove the camera and system is working before introducing another device such as a VCR.

To connect a camera to a domestic VCR to record and play back through a domestic TV.
The connection kit connects into the video input on the VCR by a Phono or Scart input on the actual VCR. The VCR is then connected to the TV via the RF output as normal (aerial type connector). To record a picture the VCR is set to its AV channel and the record button is pressed. To watch the camera pictures live or a recording, the TV must be switched to the channel that has been set up for the VCR. (For example whichever channel you would normally use to play back a pre-recorded tape, such as a film through the TV).

Mounting the dome camera
The camera is mounted on a camera bracket inside the dome. The dome is for ceiling mount only and can be turned 360° for lateral movement or the camera can be moved approximately 90° up and down.

Dome Camera Specifications

Camera Specification	SYS180	SYS181	SYS182	SYS183
Image Sensor	1/3" **B&W** CCD		1/3" **Colour** CCD	
Image Output	$1V_{pk-pk}$ 75Ω		$1V_{pk-pk}$ 75Ω	
Resolution	420TVL min		380TVL min	
Min Illumination	0.5 Lux		1 Lux	
Input Voltage Range	12V DC		12V DC	
Power Consumption	100 mA		100 mA	
Lens	3.6 board lens		3.6 board lens	
AGC	Automatic		Automatic	
Iris Control	Electronic		Electronic	
Fly Lead	Power & Video		Power & Video	
Size, Dia x H	87mm x 68mm		87mm x 68mm	
Cable 25 metres	**White**	**Black**	**White**	**Black**

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