

CAMERA SPECIFICATIONS *(continued)*

Supercam1	Weatherproofing	IP54 (outdoors and indoors)
	Overall size	3.5" W x 4.3" H x 4.5" D
	Audio signal	1V pk-pk into 47K Ω
	Operating temperature	-10°C to +40°C
Power Supply	Input Voltage	220V/240V ac 56/60 Hz
	Output Voltage	12V dc
	Output Current	300mA (max)
	Weatherproofing	IP30 (indoor use only)
2 Metre Camera Lead	Cable type	6 core alarm cable
	Connectors	6 pin mini-DIN socket
18 Metre Lead	Cable type	6 core alarm cable
	Connectors	6 pin mini-DIN socket
		21 pin scart plug
		6 way RJ11 plug
		2.1mm power plug

INSTALLATION

SUPERCAM 1

CT120

External B&W Camera with PIR Sensor

CT121

External Colour Camera with PIR Sensor

CT122

External Day Night Camera with PIR Sensor and IR LEDS
Colour during the Day switching to B&W at Night
IR LEDS switching on at night to aid night vision



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INSTRUCTIONS

The SuperCam1 is a combined camera and PIR detector with a built in microphone providing you the ability to 'see' outside your property using your own TV set. The Keypad Remote Control supplied with the camera will sit neatly on top of your TV or VCR allowing you to monitor and control the system.

KEY PRODUCT FEATURES

- Black & white, Colour or Day/Night camera with wide viewing angle.
- Built-in high quality PIR sensor for detecting intruders / visitors.
- Automatically switches the TV to the Camera picture when movement is detected.
- Pre-connected 20 metre lead. Extendable up to 100 metres.
- Will connect to any UK television or video recorder that has a SCART socket, making the installation very simple.
- For a multiple TV installation the SuperCam will connect into an aerial system using the optional RF Modulator CT210.
- Connect up to 4 cameras using the 4- Way Switcher Unit - CT200.

SYSTEM CONTENTS

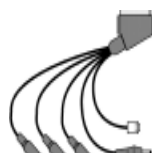
Please check and identify all the parts before proceeding with the installation.



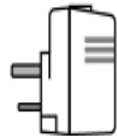
SuperCam1
Camera
Head



Keypad
Remote
Control



20 Metre
Scart lead



Power
supply



Fixing Kit

INSTALLING THE SUPERCAM

Before starting the installation we recommend that you temporarily connect the SuperCam1 to your TV or VCR to help determine the best position.

The SuperCam1 will connect to a spare Scart socket (also known as a Peritel or Euroconnector) on your TV or VCR. If you do not have a spare scart socket you will require a CT210 RF Modulator which will allow you to connect the SuperCam1 to the aerial input of your TV or VCR.

IF THE SCART SOCKET IS IN USE OR THE PICTURE IS TO BE VIEWED ON MULTIPLE TVS:

CT210 Wideband RF Modulator

This unit will allow the SuperCam1 to be connected to the aerial input of your TV or video recorder. This means that the SuperCam1 can be connected to your TV even if the scart socket is occupied and it will also enable viewing on other TV sets in the property with the use of an aerial distribution amplifier.

IF THE CABLE SUPPLIED IS TOO SHORT:

CT251 15 metre Extension lead

This 15 metre lead will simply plug in between the supplied lead and the camera head lead adding to the distance that the camera can be installed away from the TV. Up to 5 extension leads may be used with one camera enabling it to be sited up to 95 metres away from the TV.

IF YOU REQUIRE THE CAMERA TO ACTIVATE YOUR VIDEO RECORDER AUTOMATICALLY:

CT220 Video Activator

This unit plugs into the SuperCam1 lead and when it is switched into the record mode it will automatically activate the record facility of most domestic VCRs on receiving an alarm signal from the SuperCam1s PIR for a period of 30/60 seconds.

IF YOU REQUIRE A DATED RECORD OF AN EVENT:

CT230 Time and Date Generator

This unit will plug in between the scart plug of the superCam1 lead and video recorder and superimpose the actual time and date on to any recording of events as they happen.

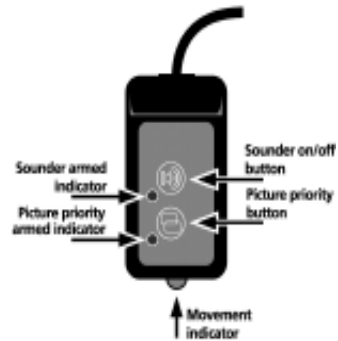
CAMERA SPECIFICATIONS

If you have any questions about our products or if you have difficulty in locating accessories for the SuperCam1 please call our HELPLINE on 09066 191 133*.

SuperCam 1	Operating voltage	11 - 13V dc
	Current consumption	80 mA (approx.) @12Vdc
	Camera type	B&W 1/4" CMOS / Colour 1/3" CMOS
	Lens	B&W 3.6mm / Colour 4.3mm
	Viewing Angle	78° viewing angle
	Resolution	300 TV lines
	Minimum illumination	(CT120) 2 lux (CT121) 4 lux (CT122) 2 lux (0 Lux IR on 3 metres MAX)
Video signal	(CT120) CCIR 1V pk-pk into 75 Ω (CT121) PAL format (CT122) PAL format	

USING THE SUPERCAM1 *(continued)*

The sounder can be switched off by pressing the sounder button. An LED on the Keypad Remote Control indicates if the sounder is armed or disarmed.



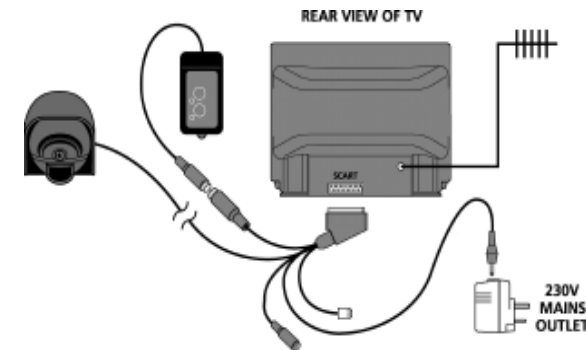
Picture Over-ride

When movement is detected, the television picture will automatically switch to the camera channel to show you the person outside your property. (Please note that this feature only works when the SuperCam1 is directly connected to the Scart socket on your TV set). The camera picture will stay on for 15 seconds after the person has stopped moving, when the picture will revert back to the previous channel. The picture over-ride can be switched off by pressing the picture over-ride button on the keypad. An LED on the keypad remote control indicates if the Picture Interrupt is armed or disarmed.

There are two connection methods shown, choose the method that suits your requirements the best.

CONNECTION METHOD 1

If you are not using a VCR, connect the SuperCam1 to your TV as shown.



To view the SuperCam1 picture ;

1. Switch on the TV and power to the SuperCam1.
2. Select the AV channel on your TV. See HOW TO SELECT THE AV INPUT if you are not sure how to do this.

WARRANTY

This product has a 12 month manufacturers warranty. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

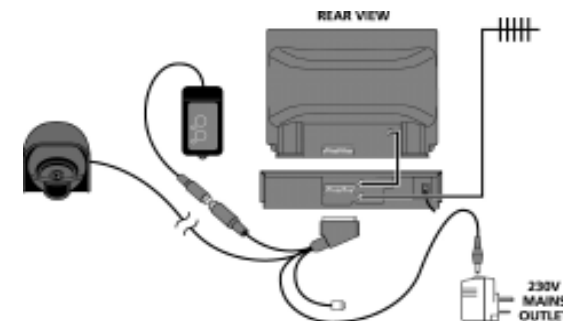
GETTING THE BEST FROM YOUR SUPERCAM 1

FOR MORE THAN ONE CAMERA:
4-Way Camera switcher - CT200

This will allow switching of video and audio signals from up to 4 SuperCam1s with an output that can be connected by the scart socket to your existing TV or video recorder. Simple plug in connectors allow for quick installation. The switcher offers manual or automatic mode switching between the inputs, In the automatic mode the length of time an individual camera picture remains on screen (dwell time) is adjustable between 2 and 30 seconds.

CONNECTION METHOD 2

If you are using a VCR and have a spare Scart socket on the VCR connect the SuperCam1 as shown.



To view the SuperCam1 picture ;

1. Switch on the TV, VCR and power to the SuperCam1.
2. Select the VCR channel on your TV. This is the channel you normally use for watching a video tape

3. Select the AV input on your VCR . See HOW TO SELECT THE AV INPUT if you are not sure how to do this.

Please note that the picture interrupt feature will not work when connected in this method, the SuperCam1 must be connected directly to the TV for this feature to work.

MULTIPLE CAMERA INSTALLATION

To connect more than one camera to your TV/VCR you will require the 4-way switcher Unit - CT200 (see page 6).

HOW TO SELECT THE AV INPUT

When you connect the SuperCam1 to a Scart socket NO TUNING is required. Simply press the appropriate button on the TV or VCR to see the picture.

The button will look like one of the following ;



Note : some models of TV use channel 0 or Input Select button for the AV input. See the television instruction for further details

WHERE TO POSITION THE SUPERCAM

The SuperCam1 is suitable for indoor or outdoor use. Please bear in mind the following points when choosing a mounting position.

- The camera must be positioned so that it will not point directly into the sun (sunrise and sunset) or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half is dark, such as in the shadow of a building. All types of cameras have difficulty in 'seeing' with such a large lux level variation.

- The camera will work in low light conditions, but ensure a light, such as a 200W tungsten halogen lamp, is fitted near to the camera for good visibility at night-time.
- The PIR sensor is at it's most sensitive when a person moves across the face of the sensor rather than towards the sensor. This means the person crosses more detection beams and the PIR sensor is therefore more sensitive. Maximum detection range is 6 metres.
- Avoid placing the SuperCam 1 close to heater flue outlets, trees or bushes which may cause a false alarm.
- The camera cable supplied may be extended up to 100 metres. Please bear this in mind when choosing your siting position.

PLEASE NOTE - THE SUPERCAM PIR SENSOR WILL NOT OPERATE THROUGH GLASS

COMPLETING THE INSTALLATION

You can now check the camera's view in different positions enabling you to choose the best position for your property,

When laying the cable, please bear in mind the following points.

- a) Keep the camera cable away from other cables where possible to reduce the risk of picture and audio interference
- b) Avoid laying the cable next to anything which runs hot which could possibly burn the cable.
- c) If the cable is run along the ground, a protective covering must be used to prevent the cable from being damaged.

USING THE SUPERCAM1

Viewing The Camera Picture

The method of selecting the camera picture depends upon how the SuperCam1 is connected to your TV set. Details of selecting the camera picture are given next to each installation method (see INSTALLING THE SUPERCAM1)

Movement Sounder

When movement is detected by the PIR sensor, the sounder inside the keypad will beep to bring your attention to the fact someone is outside your property.