

# INSTALLATION

## SUPERCAM 2

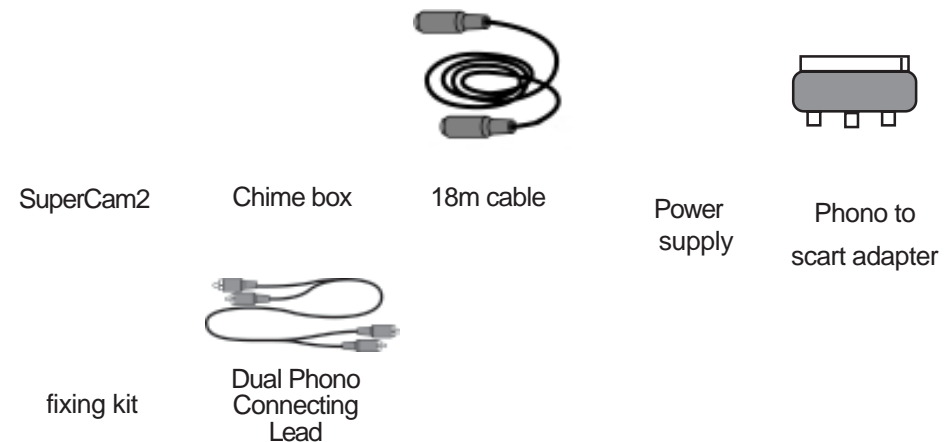
CT150 / 160

The SuperCam 2 is a combined camera and PIR detector with a built in microphone and loud speaker providing you the ability to 'see' then talk to who ever is outside your property using your own TV set and the chime box . The Chime box 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 or colour camera with wide viewing angle.
- Built-in high quality PIR sensor for detecting intruders / visitors.
- Loud Speaker built in to your Camera providing the option of talking to your visitors outside the house
- 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.
- Chime box offers 2 camera capability

### SYSTEM CONTENTS



Churchill Way, Lomeshaye Industrial Estate, Nelson, Lancashire BB9 6RT, England

Tel: (01282) 695 500 Fax: (01282) 695 511 Helpline: 09066 191 133\*

Email: sales@voltek.co.uk Web site www.voltek.co.uk

\*Helpline Calls Cost 60p/min Open 9am to 5pm Mon to Fri

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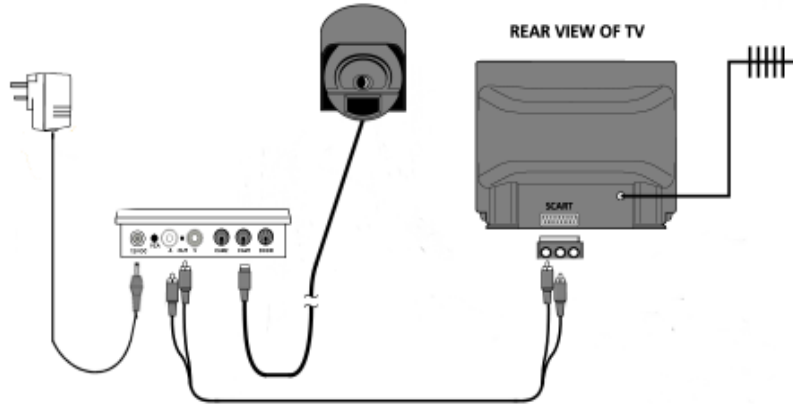
# INSTRUCTIONS

## INSTALLING THE SUPERCAM2

Before starting the installation we recommend that you temporarily connect the SuperCam2 to your TV or VCR to help determine the best mounting position.

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

If you are not using a VCR, connect the SuperCam2 to your TV as shown.

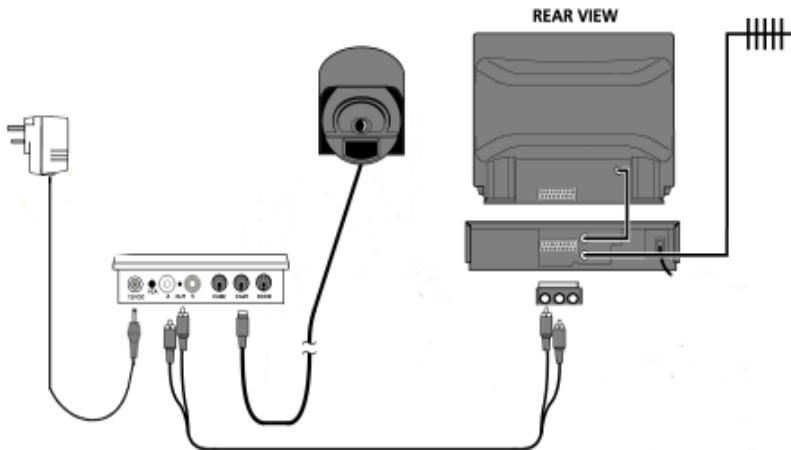


To view the SuperCam2 picture ;

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

## CONNECTION METHOD 2

If you are using a VCR and have a spare Scart socket on the VCR connect the SuperCam2 as shown.



## CAMERA SPECIFICATIONS *(continued)*

<b>Power Supply</b>	Input Voltage	220V/240V ac 56/60 Hz
	Output Voltage	12V dc
	Output Current	500mA (max)
	Weatherproofing	IP30 (indoor use only)
<b>2 Metre Camera Lead</b>	Cable type	6 core alarm cable
	Connectors	6 pin mini-DIN plug
<b>18 Metre Lead</b>	Cable type	6 core alarm cable
	Connectors	6 pin mini-DIN socket / plug

## CHIME BOX SPECIFICATIONS

<b>Chime Box</b>	Input Voltage	12V
	Input Current	50mA
	Video Output	1VP/P into 75W load
	Audio Output	2v P/P into 47k load
	Weight	0.2Kg
	Size	127mm (W) x 32mm (H) x 95mm (D)
	Inputs	2 camera connection via 6 pin mini DIN
		Power 12V DC via 2.1mm power jack
	Outputs	Audio and Video to TV or VCR
		connection via phono socket
		VCA option VCR adaptor connection
		via stereo 3.5mm jack socket
	Controls front	Door interface ( not supplied)
	Manual camera select	
	Auto camera cycle	
	Talk button	
Controls side	Audio volume	
Weatherproofing	IP30	

## WARRANTY

This product has a 1 year manufacturers warranty which covers parts and labour.

To view the SuperCam2 picture ;

1. Select the VCR channel on your TV. This is the channel you normally use for watching a video tape.
2. Select the AV input on your VCR . See HOW TO SELECT THE AV INPUT if you are not sure how to do this.

## 2 CAMERA INSTALLATION

To install your 2nd camera you will require the Voltek CT151/161 which will plug directly into the Cam2 socket on the chime box. The power must be switched off when connecting the 2nd Camera.

## HOW TO SELECT THE AV INPUT

When you connect the SuperCam2 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 for the AV input. See the television instruction for further details*

## WHERE TO POSITION THE SUPERCAM

The Supercam2 is designed for outside use and should be positioned at a height of between 2.3 to 3.0 metres, no more than 5 metres away from where conversation would be held

Please also 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 7 metres.
- Avoid placing the SuperCam 2 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 & PLASTICS

## 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.

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

## USING THE SUPERCAM2

## GETTING THE BEST FROM YOUR SUPERCAM 2

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

RF Modulator - CT210

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:

15 metre Extension lead - CT253

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:

Video Activator - CT220-1

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:

Time and Date Generator- CT230

This unit will plug in between the scart plug of the superCam2 lead and video recorder and superimpose the actual time and date on to any recording of events as they happen.

## CAMERA SPECIFICATIONS

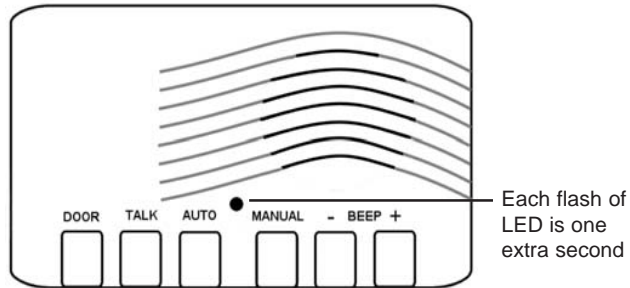
If you have any questions about our products or if you have difficulty in locating accessories for the SuperCam2 please call our HELPLINE on 09066 191 133\*.

<b>SuperCam 2</b>	Operating voltage	11 - 13V dc
	Current consumption	80 mA (approx.) @12Vdc
	Camera type	Mono 1/4" CMOS / Colour 1/4" CMOS
	Lens	0.14" (3.6mm), 78° viewing angle
	Resolution	300 TV lines
	Minimum illumination	(CT150) 2 lux (CT151) 4 lux
	Video signal	(CT150) CCIR 1V pk-pk into 75 Ω (CT151) PAL format
	Audio signal	2V pk-pk into 47K Ω
	PIR Sensor	7 Metre 90° range
	Operating temperature	-10°C to +40°C
	Weatherproofing	IP54 (outdoors and indoors)
	Overall size	89mm (W) x 109mm (H) x 114.mm (D)

## USING THE CHIME BOX (continued)

### Cycle Time Setting ( Time Taken to switch between cameras)

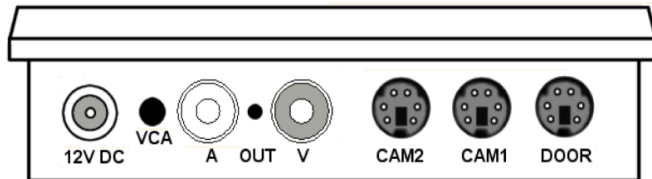
To alter the cycle time press both the “Auto” and “Manual” buttons on the front of the unit simultaneously. Each flash of the LED is one extra second of cycle time added. Cycle time can range between 2-30 seconds. Cycle time is preset to 4 seconds.



Press “Auto” and  
“Manual” Buttons  
simultaneously

### Door release

The Chime box has a door release button which can be used to operate an electronic door release mechanism. By pressing the door button for 2 seconds, this provides a 5 sec output for the door release. By adding the CT255 15 metre door release cable, which plugs directly into the socket marked door. This will provide an output which can be used to control an electronic door release.



## USING THE CHIME BOX

### Motion Detection

The full alarm sounds only when a new event is detected. A shorter reminder alarm sounds if motion continues in front of the same camera. However if the Chime Box changes to the other camera the full alarm will sound.

The current view is paused for a minimum of 2 seconds even if the monitor detects motion on the other camera. This allows for a stable picture when recording with a VCR.

If movement is detected by the PIR sensor the chime box will beep to bring your attention to the fact someone is outside your property. You can then select the correct TV channel to view the area.

The alarm volume can be adjusted upwards or downwards by holding down the + or - buttons.

### Using two way speech

To use the two way speech feature you must have a two way camera connected to the chime box. If you require to speak with your visitors press and hold the talk button and speak clearly into the chime box. To hear your visitors reply release the talk button. ( To increase the volume of the camera microphone the chime box has a volume control on the side of the box.)

Note: Camera view is locked when the talk button is pressed and the status LED flashes orange.

After turning the power on the Chime Box will scan through all camera inputs to detect the presence of cameras.

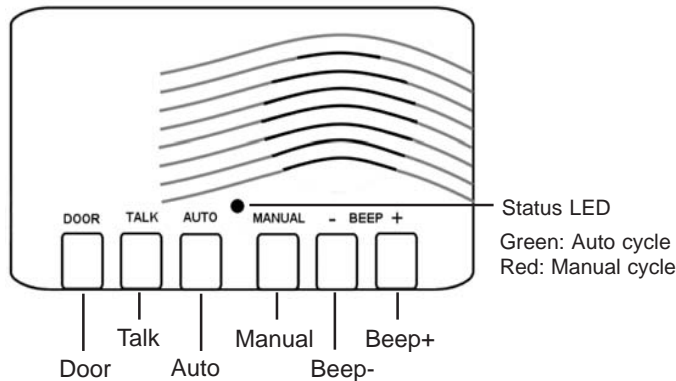
### Choosing the Mode

Auto Cycle Mode: Automatically switches between cameras.

Manual Cycle Mode: User can manually switch between cameras

Cycle time: The time it takes to switch between the cameras when in "Auto" mode (2-30 seconds)

The Chime box powers up in Auto cycle mode with a cycle time of 4 seconds, the status LED lights up GREEN to indicate Auto mode. Any unused camera inputs will be ignored during camera selection, both auto cycle and manual.



You can manually select the camera view by pressing the manual button, the status LED lights up RED to indicate manual mode. Pressing the auto button returns the monitor to auto cycle mode.

