


SPECIFICATION

	1862	1866	1868
Voltage	12Vdc		
Current			
Video output signal	1V pk-pk CCIR PAL into 75Ω		
Audio output signal	2V pk-pk into 47KΩ		
Camera type	1/3" B&W CCD	1/4" Colour CMOS	1/4" Colour CCD
Lens	3.6mm		
Viewing angle	90°	72°	72°
Picture resolution	420 HTVL		330 HTVL
Minimum illumination	0.1 lux	4 lux	
Microphone	Electret		
Internal heater	Yes		
Weatherproofing	IP54 (suitable for outside use)		
Dimensions			
PSU input voltage	230V 50-60Hz		
PSU output voltage	12V dc		
PSU output current	300mA (max) with thermal cut-out protection		
Package weight			
Approvals	CE directive 93/68/EEC EMC directive 89/336/EEC, BS EN 50081-1 : 1992, BS EN 50082-1 : 1992 		

WARRANTY

This product has a twelve month manufacturers warranty that covers parts & labour only. There are no user serviceable parts within this product. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase or directly to Voltek.

HELPLINE

Please telephone 09066 191133* should you have any questions about this product.



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*Helpline calls cost 60p/min. Open 9am - 5pm, Mon - Fri.

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INSTALLATION

1862

Guardsman B&W Scart Camera

1866

Guardsman Colour CMOS Scart Camera

1868

Guardsman Colour Scart Camera



INSTRUCTIONS

Thankyou for purchasing the Guardsman Scart Camera. Please read these instructions carefully before starting the installation.

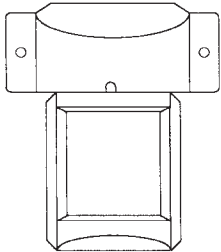
FEATURES

- High quality camera and microphone for internal or external use
- Connects to any UK television or video recorder that has a SCART socket.
- Supplied with all the leads, power supply & fixing kit needed.
- Full pan and tilt adjustment so that you can watch the exact area you require.
- Will connect to several TV's when used with the optional *1876 TV Modulator*, and a suitable aerial distribution system.
- Also compatible with the *1883 Time & Date Generator* and *1880 Four Way Switcher*.

CONTENTS

- Guardsman Camera (1866 has a green dot & 1868 has a red dot near the microphone hole)
- 20 metre camera to SCART lead
- 12Vdc plug-in power supply
- Fixing kit containing 2 screws, 2 wall plugs, 20 cable clips and a cable tie.

STEP 1 : CHOOSING THE BEST POSITION



We recommend that you temporarily connect the Guardsman you your TV/VCR and try the camera in different positions before drilling any permanent holes into your property.

The camera 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.*
- The best viewing angle is achieved at greater heights with the camera pointing down.
- *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.*

- Bear in mind not to position the camera to far away from door entrances as you may not be able to hear any speech or sound.
- The camera will work in very low light conditions, but ensure a light is fitted near to the camera for night-time operation.
- The camera cable supplied may be extended up to **100 metres**. Please bear this in mind when choosing your siting position.

STEP 2 : INSTALLING THE GUARDSMAN

1. Unscrew the base of the camera from the lid using the four screws and then make a small hole in the grommet just large enough to push the camera cable through.
2. Unwrap the camera cable and push the unterminated end of the cable through the grommet.
3. Strip back approximately 25mm of the outer insulation, making sure the inner insulation is not damaged. This will reveal the four coloured wires.
4. Strip approximately 5mm of insulation from each of the four wires to reveal the copper strands of the wire. Twist the strands inside each wire together to prevent splaying of the strands.
5. Connect the wire to the unit as follows :

Wire Colour	Terminal Label	Function
Red	RED	+12V
Black	BLK	0V
Yellow	YEL	Video
Blue	BLU	Audio
	ALM	Alarm - PIR

6. Screw the lid to the wall using the fixing screws and plugs provided and then screw the camera back into the lid.

VIEWING THE PICTURE

1. No tuning is required. Simply select the video input on the device that camera is connected to. The button is usually labelled AV, AUX or INPUT. You should now see and hear the camera's output.