



ESP WITNESS CAMCOL3 COLOUR OBSERVATION CAMERA



Before installing or operating system, please read this manual carefully



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying the product.

Warning: To prevent fire or shock hazard, do not expose this unit to rain or moisture

FCC INFORMATION

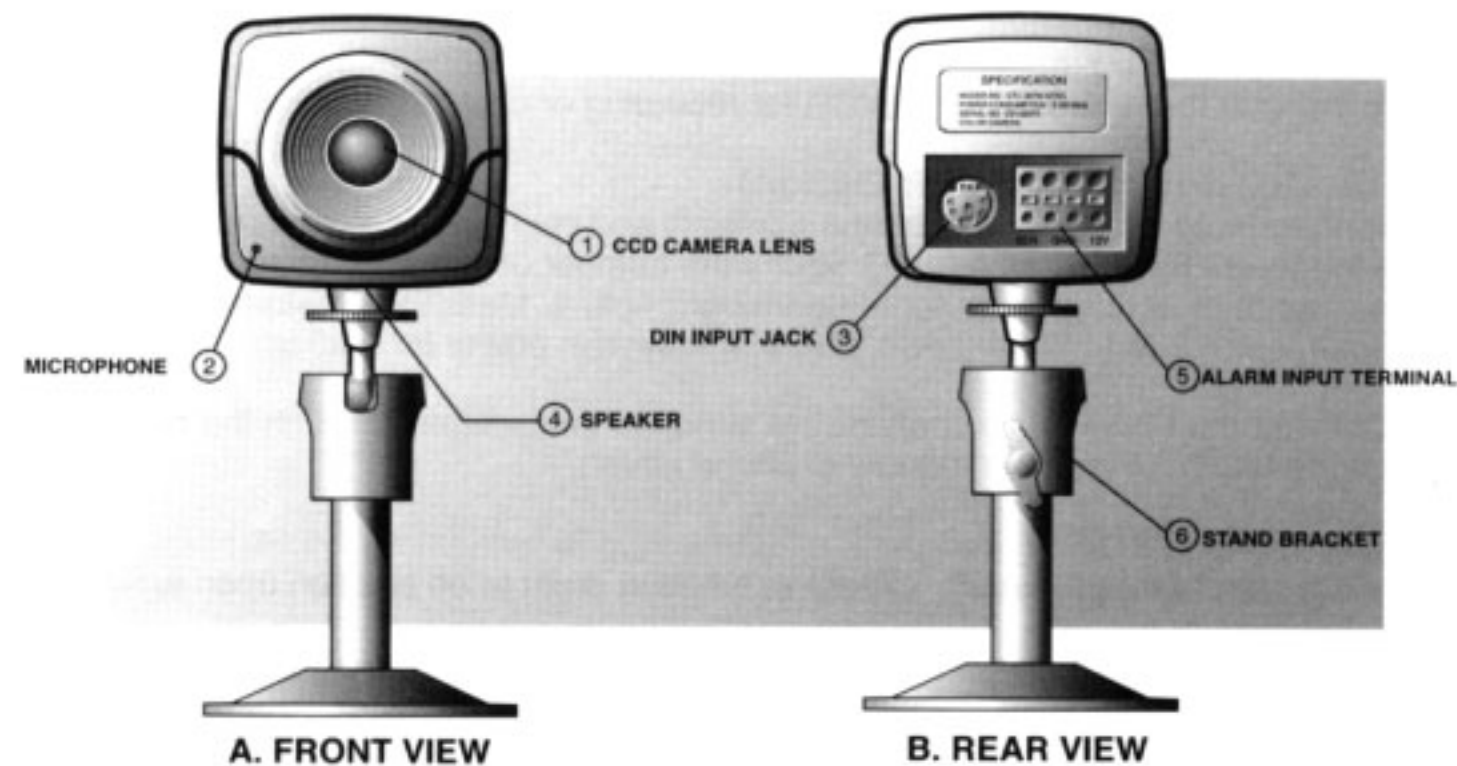
This equipment complies with the limits for a Class B digital device as specified in Part 15 of FCC Rules. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the radio or TV

CONTENTS

■ Getting to know your camera	2
■ Installation	3
■ Cable Pin Connection	3
■ Accessories	3
■ Specifications	4
■ Maintenance	5

Getting to know your camera



1. C-Mount Lens

The ring around the lens can be manually turned to achieve the best focus.

2. Microphone

Allows for audio communication between camera and monitor.

3. DIN input jack

Connects the DIN cable between camera and monitor.

4. Speaker

Allows for audio communication between camera and monitor.

5. Alarm Input Terminal

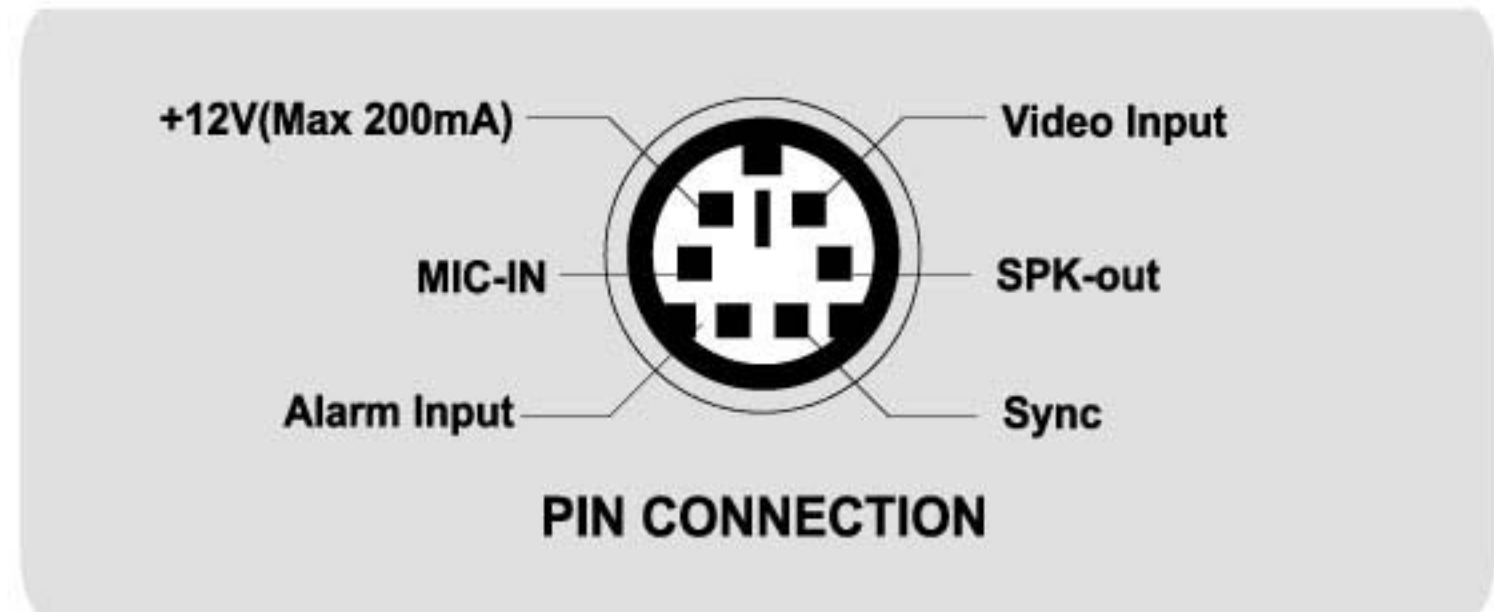
Allows you to connect alarm sensing devices such as PIR motion sensors, door/window contacts, or panic buttons to the camera.

If sensor is triggered, the alarm signal would switch monitor image to affected camera.

Note: This input will accept "Normally Open" (N.O) or "Normally Closed" (N.C) output sensor. Mode is user selected through the menu.

6. Mounting Bracket

Allows for installation of camera on wall or ceiling.

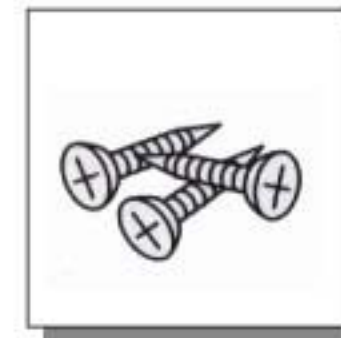


1. Choose a location to install the camera.
2. Thread the bracket Ass'y into the camera's mounting hole.
3. Connect the DIN cable to both camera and monitor.
4. Adjust the camera's view and focus and fully stick the bracket with screws.

Accessories



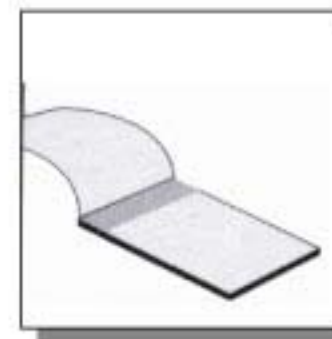
STAND BRACKET



SCREW



C/CS MOUNT LENS
(4/6/8/12/16mm)



USER MANUAL



SYSTEM DIN CABLE

Specifications

Specification	CAMCOL3
Image Sensor	1/4" Color CCD
Picture Element	NTSC:512(H)X492(V), PAL:512(H)X582(V)
TV System	NTSC/PAL Standard
Sync. System	Internal
Scanning System	2:1 interlace
Resolution	More than 330 Lines
Mini illumination	0.8 Lux
Gain Control	AGC(Automatic Gain Control) Built-in
Shutter Speed Control	1/60 sec. - 1/100,000 auto Electric Shutter Speed Control
S/N Ratio	More than 50dB
Lens Type	C/CS mount Lens
V-out	Mini DIN to monitor 1Vp-p at 75 ohm
A-in	Mini DIN to from monitor
A-out	Mini DIN to monitor
Power Source	DC 12V from monitor
Power Consumption	Approx. 3W
Operating Temperature	-10'C - 50'C(14'F-122'F)
Operating Humidity	Under 90% RH
Material	Plastic
Dimensions(WxHxDmm)	48x52x81
Weight	0.3Kg

Design & specifications are subject to change without the prior notice for the product improvement.

MAINTENANCE

CAMCOL3 is an example of superior design and craftsmanship.

The following suggestions will help you care for the camera so you can enjoy it for years.



Keep the camera dry. If it gets wet, wipe it dry immediately. Some liquids contain minerals that can corrode the electronic circuits.



Keep the camera away from dust and dirt, which can cause premature wear of parts.



Handle the camera gently and carefully. Dropping it can damage circuit boards and cases and can cause the camera to work improperly.



Wipe the camera with a damp cloth occasionally to keep the system looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the camera



Use and store the camera only in normal temperature environments. Extreme temperature can shorten the life of electronic devices and distort or melt plastic parts.

Modifying or tampering with the camera's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

TECHNICAL HELP

FOR TECHNICAL ASSISTANCE PLEASE PHONE 0121 786 1881
or SEND A FAX TO 0121 693 1270
or EMAIL TO VIA OUR WEBSITE www.esbuk.com/technical.htm