



## **INSTRUCTION MANUAL**

### **Miniature Cased High Resolution PCB Camera with Fixed Board Lens**



**Product Code:- GCCAMH**



## PRECAUTIONS

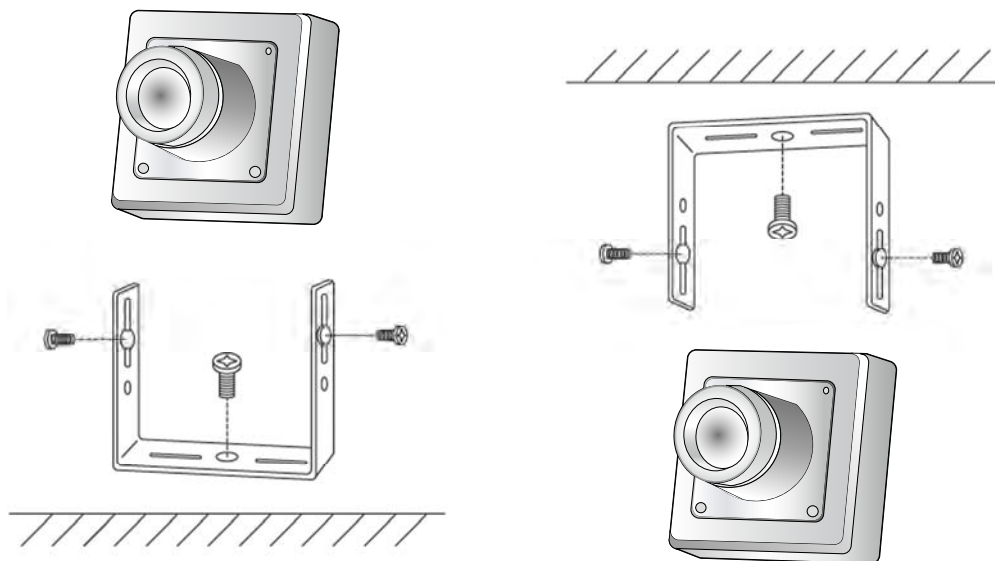
- To avoid electrical shocks, do not attempt to open the case of this product.
- Only use a regulated DC12V Power Supply to operate this product.
- Do not overload electrical outlets or extension cords; this could result in a fire or electric shocks.
- Keep this product away from strong magnetic fields.
- Do not expose this product to direct sunlight or strong reflected rays.
- Only refer servicing to qualified personnel.
- Do not change or modify this product; the warranty will be void.

## FEATURES

- 1/3" Sony Super HAD CCD
- 540 TV Lines of Resolution
- Fixed Board Lens
- DC12V

## INSTALLATION

Fix the camera bracket to a strong and stable surface using the central fixing hole. The camera's angle of view can be altered by adjusting the two screws on the sides of the camera.





Connect the supplied cable to the rear of the camera.

Connect the yellow BNC to the incoming video cable.

Connect the regulated DC12V power supply to the red 2.1mm power socket.

**Note:**

Only use a regulated DC 12V power adapter, such as the Genie PSUISM

## TROUBLE SHOOTING

If this camera does not function properly, please check the following points before contacting your authorised distributor for assistance.

Problem	Possible Causes
No video being displayed	Check the power adapter is switched on and correctly connected. Make sure the video cable between the camera and monitoring equipment is properly connected.
The image on the screen is dark	Check the brightness control on the monitor.
The image on the screen is dim	Make sure the lens is clean. If dirty, clean it with a soft, clean lint free cloth.
The camera is not working properly and the camera case is hot	Check that the power adapter is supplying a regulated DC12V.
The contrast on the screen is too weak	Adjust the contrast feature of the monitor. The camera may be exposed to a strong light source; if so, change the camera position.
The image on the screen flickers	Is the camera facing directly into the sun or fluorescent light? Change the camera position
Picture rolls and jumps, scrambled picture	Incorrect V-hold control setting on the monitor. Check for ground loops if a rolling black bar is displayed.



## **SPECIFICATION**

• Image Sensor	1/3" Sony Super HAD CCD
• Scanning System	2:1 Interlace
• Horizontal Resolution	540 TV Lines
• Shutter Speed	Auto, Manual (1/50 to 1/100,000 sec)
• Sync. System	Internal
• S/N Ratio	More Than 46db (AGC Off)
• Minimum Illumination	0.1 Lux
• Video Output	Composite 1.0Vp-p@75ohm
• AGC	Auto
• White Balance	Auto
• Lens	3.6mm Fixed Board Lens
• Current Consumption	120mA Max
• Power Supply	DC 12V
• Operating Temperature	-20°C to 50°C
• Dimensions	30 (W) x 30 (H) x 30 (D) mm
• Weight	50g

## **LIMITED 3 YEARS WARRANTY**

This warranty gives the original purchaser specific legal rights if our products do not function because of a defect in materials or workmanship. We will repair or replace the product, free of charge, for 3 years from original date of purchase.

This warranty does not cover defects caused by modification, misuse, deliberate or accident damage or damage due to acts of god, or nature.