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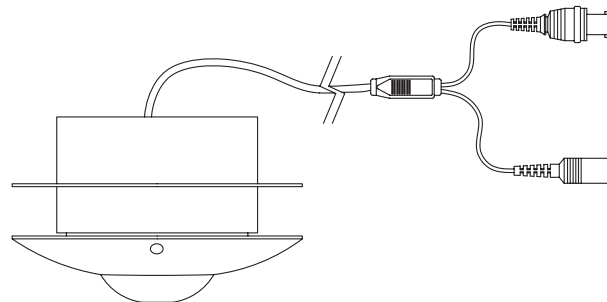
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Video Surveillance Equipment

Vandal Resistant Dome Cameras 5480 SERIES



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INSTALLATION MANUAL

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1.0 Product Range

5480/420BDVB Camera, CCD, Black and White, Dome, Vandal Resistant, 420 lines, 12VDC operation (power supply not included)

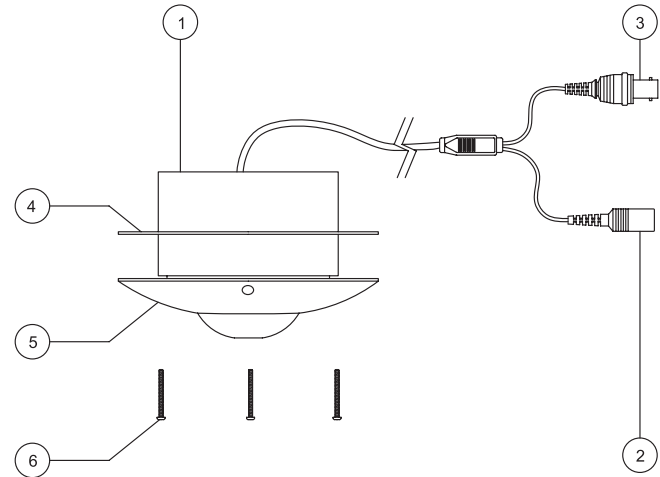
5480/420CDVB Camera, CCD, Colour, Dome, Vandal Resistant, 420 lines, 12VDC operation (power supply not included)

2.0 Description

The 5480 series of CCD cameras are designed for indoor and outdoor (under cover) applications. The cameras feature a 1/3-inch Sony CCD, with an output resolution of 420 lines and signal to noise ratio of more than 48dB. The cameras are constructed from an aluminum housing for rugged applications, ideal for common areas and lifts.

3.0 Installation Instructions

1. Select the mounting location for the camera.
2. Drill a mounting hole with a diameter of 68mm at the location where the camera is to be mounted.
3. Loosen the mount **(1)**, this will allow the camera to rotate freely.
4. Use only **regulated 12VDC** power supply with the CCD Camera.
5. Connect the 12VDC power supply to the camera using the power connector **(2)** provided.
6. Connect a video monitor to the camera using the BNC connector **(3)** provided.
7. Place the inner ring **(4)** through the hole (you will need to do this from the upper ceiling side), the inner ring sandwiches with the camera through the ceiling material.
8. Place the camera into the mounting location.
9. Power up the CCD camera and check for an image on the video monitor.
10. Adjust the field of view to the required position, by rotating the spherical lens **(5)** and tighten the mount **(1)**.
11. Secure the camera with three machine screws **(6)** provided – ensure that the screws fix onto and through the inner ring **(4)**.



4.0 Product Specification

Catalogue No.	5480/420BDVB	5480/420CDVB
Image Device	1/3" SONY Super HAD CCD	
Number of Pixels	CCIR: 500 (H) x 582 (V) EIA: 510 (H) x 492 (V)	PAL: 500 (H) x 582 (V) NTSC: 510 (H) x 492 (V)
Sensing Area	4.9mm x 3.7mm	
System of Signal	CCIR/EIA	PAL/NTSC
Horizontal Resolution	420 Lines	
Lens Diameter	3.6mm	
Electronic Shutter Speed	1/50 - 1/100,000 sec (PAL and CCIR) 1/60 - 1/100,000 sec (EIA and NTSC)	
S/N Ratio	More than 48dB	
Minimum Illumination	0.05Lux/F1.2	0.8Lux/F1.2
Video Output	1.0V p-p, 75Ω	
Video Connector	BNC (Female)	
Power Requirement	DC 12V @ 300mA	
Power Consumption	100mA	120mA
Dimensions	62mm x φ 94mm x φ 14mm	
Operating Temperature	-10°C to +45°C	
Operating Humidity	25 - 85% RH	

5.0 Caution

- Do not attempt to dismantle the camera. There are no user serviceable parts inside. Refer all servicing to qualified service personnel.
- Handle the camera with care. Improper handling and storage may damage the camera.
- Do not expose the camera to rain or moisture, or try to operate in wet areas. If the camera is used for outdoor applications it should be installed in a protected area away from direct weather conditions.

- Do not use strong or abrasive detergents when cleaning the camera body. Use a dry cloth to clean the camera when dirty. For cases where dirt is hard to remove use a mild detergent and wipe away.
- Never point the camera towards the sun. Use caution when operating the camera in the vicinity of spotlights or other bright light sources and light reflecting objects.
- Do not operate the camera beyond its temperature, humidity or power source ratings. Do not use the camera in high temperature or high humidity environments.

6.0 Warranty

- This product is guaranteed against faulty workmanship and materials for a period of one (1) year from date of installation.
- Clipsal reserves the right, at its discretion, to either repair free of parts and labour charges, replace or offer refund in respect to any article found to be faulty due to materials, parts or workmanship.
- This warranty is expressly subject to the device being installed, wired, tested, operated and used in accordance with the manufacturer's instructions.
- All costs of the claim shall be met by Clipsal, however should the product that is subject to the claim be found to be in good working order all such costs shall be met by the claimant.
- When making a claim the consumer shall forward the product to the place of purchase, together with adequate particulars of the defect within twenty eight (28) days of the fault.

7.0 Technical Support and Troubleshooting

For further technical assistance in using Clipsal Security products, please consult your nearest Clipsal Sales Representative or Technical Support Officer.

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