

Installation Instructions

For the **CD9305/DD** 1/3" CCD medium resolution, colour, mains camera.



Please use these instructions to install your CD9305/DD and have them available for the lifetime of your CD9305/DD. If you have any problems contact your agent.

WARNINGS: INSTALLATION AND SERVICING IS ONLY TO BE CARRIED OUT BY SUITABLY QUALIFIED AND EXPERIENCED PERSONNEL.

Only operate your CD9305 between the temperatures of -10°C and +50°C and inside the power supply range of 230V AC \pm 10% (power consumption less than 4 Watts). Only use your CD9305 in a clean, dry, dust-free environment unless it is protected by an appropriate protective housing.

Unpacking

Inspect the packaging and your CD9305/DD for signs of damage. If your CD9305/DD is damaged then advise the suppliers and carriers immediately. Unpack your CD9305/DD and ensure that the model number is the same as the one given at the top of this sheet and that a DD-plug is included.

CAUTION: TO AVOID DAMAGING YOUR CD9305/DD NOTE THE FOLLOWING POINTS:

- 1) Only Use 1/4" BSW or 1/4" UNC threaded mounting-bolts in the mounting points on the top and bottom of your CD9305/DD.
- 2) Before you fit the lens make sure that its back will not touch the CCD sensor or associated components when screwed fully home.
- 3) Do not touch the sensor. If you touch the sensor only clean it using Isopropanol.
- 4) Do not 'over-turn' the focus screws as this can damage the focus mechanism.
- 5) Do not expose the sensor to direct sunlight as this may damage the CD9305/DD's performance.

Power Supplies

This camera requires a mains supply of 230V AC \pm 10%. It is fitted with a 3-core mains lead.

Refer to the wiring instruction label attached to the mains lead

Terminate the lead with a suitable 3-pin mains plug. Ensure that you provide a secure means of isolation from the mains for your camera in accordance with your national wiring regulations.

Note: The CD9305 is synchronised to the mains supply and requires a 50Hz supply. Failure to provide this causes incorrect operation of the camera.

The green 'POWER' LED on the back panel indicates that the power is connected.

Video Connections

To obtain video output connect a coaxial-cable terminated with a BNC connector to the Video Out connection on the rear of your CD9305/DD.

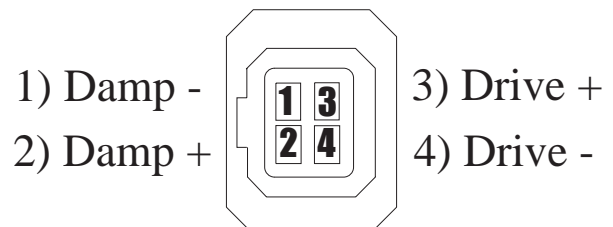
Lens Selection

Select a 1/3", 1/2", 2/3" or 1" format C or CS mount, fixed-iris, manual-iris or DD lens. Your CD9305/DD is factory set for a CS mount lens. If you are using a C mount lens, then before you fit the lens, rotate either focus screw, which are located on the top and side of the case at the front of your CD9305/DD, approximately 30 turns anti-clockwise.

Lens Connection

Direct-Drive

Connect your DD lens to the female 4-pin socket on the side of your CD9305/DD. If your lens does not have a DD plug fitted then wire the lens to the plug provided according to the 'pin out diagram (below).



Back-Focus Adjustment

NOTE: some CS-mount lenses have back extensions which can prevent back-focusing. A lens-spacer is available to correct this. Contact your agent.

Fixed/Manual Iris Lenses

Set the lens focus to infinity. Fully open the iris (manual only). View an image more than 2 metres away. Focus using the back-focus screw. Set the lens focus and iris (manual only) as required.

Direct-Drive Lenses

Fully open the iris by covering the lens with a suitable neutral density (ND) filter. Set the lens focus to infinity. View an image greater than 2 metres away. Focus the image using the back-focus screw. Remove the ND filter and set the lens focus as required.

Zoom Lenses

Focus the lens at infinity and fully open the iris by covering the lens with a suitable neutral density (ND) filter. Zoom out to the widest field

of vision and view a distant object. Use the back-focus screw to focus. Zoom fully in and use the back-focus screw to focus on the same object. Repeat the procedure in this paragraph until you can use the full zoom range with minimum loss of focus.

LL-PH (Line Lock, Phase Adjust)

You have $\pm 120^\circ$ adjustment on the rear of your CD9305.

LENS LEVEL

Beside the DD-socket on the side of your CD9305 is a hinged flap. This covers a lens level pot. Turn this clockwise to its fullest extent. View a bright scene which should white out. Turn the pot anticlockwise until the video level is correct.

Features

Automatic white balance

Effective Pixels 500 (H) x 582 (V)

Equivalent Resolution: 330 TVL

Dimensions : 132(L) x 60(H) x 67(W) mm

Weight : 0.5 kg

ELECTROMAGNETIC COMPATIBILITY

For EMC purposes this is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This camera is intended for use in general purpose CCTV applications in a residential, commercial or light industrial EMC environment. Refer to Baxall Security before installing or using the product in medical and/or intrinsically safe applications or in an industrial EMC environment.

The product must be installed in accordance with good installation practice for EMC to enable the product to function as intended and to prevent EMC problems. Refer to Baxall Security for installation guidance. Contact Baxall Security Technical Support Department to obtain a specification defining the acceptable levels of product degradation with regard to EMC immunity.

Electromagnetic Compatibility - Manufacturer's Declaration Of Conformance

Baxall Security Ltd declare that the CD9305 is compliant with the essential protection requirements of the EMC directive 89/336 and is tested to the requirements of standards EN 55022 for emissions and IEC801 parts 2, 3 and 4 for immunity. The product has been approved in accordance with TCF95/10/03.

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Baxall Security Ltd. reserve the right to make changes to the product and specification of the product without prior notice to the customer.