

## Specification

<b>Model:</b>	<b>PBC200</b>
Picture Type:	B/W
Image Sensor:	Sony 1/3" Super HAD CCD
DSP:	Xvision IXC1DN
Resolution:	600TVL
Lens Viewing Angle:	(Various) CS mount
Infra Red Nightvision:	Optional
Minimum Illumination:	0.05 Lux (0 lux with IR)
Audio:	Yes
Operating Voltage:	12V DC 190mA
Suggested Power Supply:	12V DC 300mA Regulated
Mounting:	Wall/Ceiling
Weatherproofing:	Optional (Housing Required)
Dimensions:	50x43x115mm

### TECHNICAL SUPPORT:

For Technical Support for any Xvision product please contact your local distributor.

### LIMITED WARRANTY:

This product is supplied with a 3 Year warranty. The Warranty excludes products that have been misused, (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.



Manufactured exclusively for:  
**Xvision (Europe) Group**,  
Head Office: London, U.K.  
Email: [info@x-vision.co.uk](mailto:info@x-vision.co.uk)  
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**Xvision**  
CCTV

**Xvision**  
CCTV



**Model: PBC200**  
B/W Traditional  
Camera

## Before you begin

- Please unpack the box carefully and identify that all the parts are present.

The camera is suitable for indoor use only (unless used with an optional external housing). Please bear in mind the following points when choosing a mounting position.

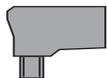
- The camera must be positioned so that it will not point directly into the sun (sunrise and sunset) or any bright light, as this may cause damage to the camera.
- Avoid viewing areas where half the area is in bright sunlight and the other half is dark, such as in the shadow of a building. All types of cameras have difficulty in 'seeing' with such a large lux level variation.
- Do not open the camera housing. This will void the warranty and break the warranty seal inside the camera.
- Do not cut the camera cables, this will void the warranty.
- Make sure you use only the recommended power supply. Damage caused to the camera by incorrect voltage or wiring is not covered by the warranty.

**Model:**  
**PBC200**  
B/W Traditional Camera

## Package Contents



PBC200 Camera & Lens



Iris Header



Hex Wrench

## Description

THANK YOU VERY MUCH FOR PURCHASING OUR PRODUCT

The PBC200 B/W camera is designed for use in high risk applications. Its traditional styling makes it ideal for use in situations where an instant deterrent is required and it offers excellent super high resolution 600 TVL images from its Sony 1/3" Super HAD CCD sensor and will provide images in light levels as low as 0.05 lux and lower when used with additional Infra Red lighting. The camera can be used with any CS mount manual, fixed or auto iris lens and is designed for internal use as supplied and can be wall or ceiling mounted by adding an internal camera bracket and used externally by adding a weatherproof housing.

## Main Features

- Super High Resolution CCD sensor provides excellent quality B/W images in low light conditions of 0.05 lux or above and below 0.05 lux with the addition of Infra Red lighting
- Traditional styling makes it ideal for use in situations where an instant deterrent is required
- Sony 1/3" Super HAD CCD image sensor for 600 TVL resolution images and 0.05 lux low light sensitivity
- Xvision IXC1DN Digital Signal Processing (DSP) chip which has been optimised for internal or external viewing and features Automatic Gain Control, Automatic Electronic Iris, Auto White Balance, Back Light Compensation, Low Smear, Edge Enhancement and Day/Night
- Accepts any industry standard CS mount manual, fixed or auto iris lens

## Camera Characteristics

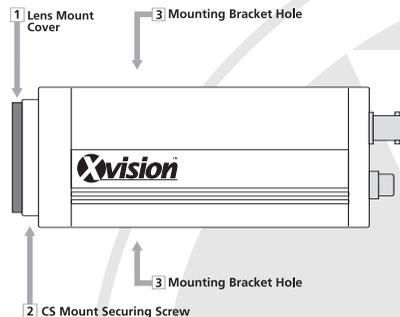


Figure 1

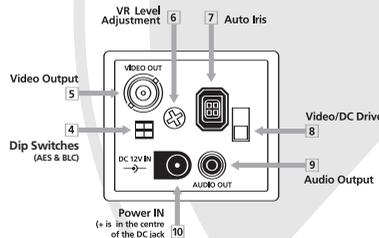


Figure 2

## Operating Instructions

1. Remove the Lens Mount Cover [1] from the camera & screw on the lens.
2. Connect the video output [5] to a monitor or other device (like a DVR).

3. Connect the power source [10] to a 12V DC Regulated power supply. (The polarity of the DC connector is centre positive)
4. Once the picture appears on the monitor, adjust the focus and iris of the lens to obtain the best picture.
5. If the lens focus is still not clear, then adjust the back focus as follows:
  - Aim the camera at a subject more than 20 metres away
  - Loosen the lens mount securing screw [2]
  - (Use the Hex Wrench supplied)
  - Turn the lens and the lens mount together until the subject is in focus and the picture is clear
  - Tighten the lens mount securing screw [2]
6. Mount the camera on a mounting bracket (not supplied) by using the hole [3] on the top or bottom of the camera.
7. Fix the bracket in position, either wall or ceiling mount.

### Auto Iris Function

1. If you are using an Auto Iris lens, first select the type of lens (Video or DC-Direct Drive) by changing the position of switch [8].
2. The top dip switch [4] should be in the AI position to switch the camera to Auto Iris lens mode.
3. The lens can then be connected to the camera and plugged in to the Auto Iris socket [7]. The VR level [6] can then be adjusted to the desired setting, making the image darker or brighter as required.

### Backlight Compensation Function

1. The lower dipswitch [4] controls the Back Light Compensation function. If the scene you are watching has lots of back light, then turning this on will improve the picture.