

The CAM177 Ceiling Camera produces good quality images at a low budget cost. The camera is a ball camera housed in a metal anodised silver housing and fits into the ceiling by a metal securing ring. This camera is fitted with a 3.6mm board lens and is powered at 12vDC drawing 160mA only. The small housing makes this camera especially suitable for homes, small shops, stock rooms, reception areas and lobbies and its modern style and unobtrusive appearance makes this ideal for many types of installation.



Mounting the Camera

The camera is for mounting on an indoor ceiling. Check that the retaining ring can be securely attached to the ceiling and that there is sufficient room to take the housing body depth and that the ceiling is strong enough to hold the weight of the camera. Cut a hole in the ceiling 61mm diameter to take the base housing and push the camera through to allow the three securing points to be marked. Drill the three holes and ensure that suitable ceiling plugs are used to take the camera. The power and video connections must then be followed and connections made. Unscrew the metal securing ring to adjust camera view and retighten and secure camera to ceiling.

Powering the Camera

The camera requires a 12V DC regulated power supply. The camera is provided with a fly lead with a mini power jack. It is recommended to use a power supply that is rated higher than the current consumption of the camera i.e. the current consumption is 160mA add approximately 50% so use a power supply of 250mA or above. If you are using the Easy Connection Kit to power and connect your camera (12V models only) please proceed as per the instructions supplied with the Easy Connection Kit.

Connecting the camera to control equipment.

The camera comes with a fly lead for power and video out. To reduce installation time the video out lead is terminated into a male BNC connector. This allows the installer to effortlessly connect the camera to control equipment via a female BNC-BNC lead. Remember that the Video out from the camera is like any other electrical circuit and requires two wires to complete the circuit. When using a co-ax type cable such as RG59 or similar, the outer braid of the co-ax provides the "0V GROUND" connection and the inner core provides the "Video" connection.

CAM177 Camera Specifications

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| Image Sensor | 1/3" Colour Sony CCD | Lens | 3.6mm board lens |
| Electronic Shutter | 1/50 – 1/100,000 sec | Effective Pixels | PAL 500 (H) x 582 (V) |
| Minimum Illumination | 0.5 Lux at F1.2 | S/N Ratio | More than 48dB |
| Image Output | 1V _{pk-pk} 75Ω | Gamma Correction | 0.45 |
| Resolution | 420 TVLines | White Balance | Automatic |
| AGC | Automatic | Sync. System | Internal Sync. |
| Input Voltage Range | 12V DC | Dimension | 80mm (dia) x 53mm(H) Base 29mm |
| Power Consumption | 160mA | Operating Temp. | -10°C ~ +50°C |

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