

Colour PIR & IR Detector Cameras

These PIR cameras house a 3.7mm conical pinhole lens and Sony Super HAD Colour CCD. The cameras are mounted on an adjustable camera bracket and the camera lens looks through a small hole in the PIR. 24 x IR Leds 940nm provide discrete IR illumination. The motion alarm detection facility provides an alarm switch for triggering an alert device and miniature microphone provides audio.



Specifications	CAM176
Image Sensor	1/3" Colour Super HAD II CCD
Image Output	1V _{pk-pk} 75Ω
Resolution	600 TV Lines colour / 700 TV Lines B/W
Min Illumination	0.1 Lux @ F1.2/ 0.0 Lux IR on
Scanning System	2:1 Interlace
Input Voltage Range	12V DC
Power Consumption	300 mA with IRs on
Lens	3.7mm conical pinhole lens
Description	PIR & IR Detector Camera
LEDs	24x IR 940nm
Flylead	Power, Video, Audio & Motion Detection
Size, D x H x W	62mm(W) x 90mm(H) x 48mm(D)
S/N Ratio	More than 50dB
Gamma Correction	0.45 approx.
Auto Gain Control	Yes
Operating Temperature	-10°C ~ +50°C
Weight	120g

Mounting the PIR Detector Camera

The PIR camera is mounted on a wall. Note that the camera bracket is an adjustable bracket providing angle adjustment.

24 x IR LEDs

This camera has 24 x IR Leds for night viewing and uses the 940nm range that are classed as black IRs and almost undetectable to the naked eye.

Microphone Included

A microphone is fitted inside the bottom of the case providing an audio feed.

Motion Detection

The camera can detect motion detection and the additional lead provides a zero volt switch for a motion alarm.

Powering the Camera

These PIR cameras require a 12V DC regulated power supply. The cameras are provided with a fly lead with a black mini power jack plug. It is recommended to use a power supply that is rated higher than the current consumption of the camera e.g allow at least 30% headroom. This prevents the PSU from running at its maximum rating for long periods of time and will increase the life of the unit.

Video Connection

To reduce installation time the video out lead is terminated into a yellow male BNC connector. Remember that the Video out from the camera 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.

Audio Connection

The white phono connector is for audio out. Remember that the Audio out from the camera 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 "Audio" connection.

Motion Detection

When motion is detected the small green connector provides a closed zero volt connection. This can be connected to external alarm equipment adequately voltage protected.



WEE-CG078355

This symbol on the products and/or accompanying documents means that used electronic equipment must not be mixed with general household waste. For treatment, recovery and recycling please return this unit to your trade supplier or local designated collection point as defined by your local council.

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