

## Colour Covert Wall Clock Cameras

These Wall Clock cameras house a 3.7mm conical pinhole lens and Sony Super HAD Colour CCD. The cameras are mounted on a fixed camera bracket and the camera lens looks through a small hole under the number 6. The CAM163 is 420TVL and the CAM165 is 550TVL.



### Models Covered in these instructions

CAM163 Colour Covert Wall Clock Camera  
CAM165 Colour Covert Wall Clock Camera

Specifications	CAM163	CAM165
Image Sensor	1/3" Colour Super HAD CCD	
Image Output	1V <sub>pk-pk</sub> 75Ω	
Resolution	420 TV Lines	550 TV Lines
Min Illumination	0.1 Lux @ F1.2	
Input Voltage Range	12V DC	
Power Consumption	166 mA	
Lens	3.7mm conical pinhole lens	
Description	Wall Clock Camera	
Flylead	Power and Video	
Size	270mm diameter x 40mm depth	
S/N Ratio	More than 48dB	
Gamma Correction	0.45 approx.	
Auto Gain Control	Yes	
Operating Temperature	-10°C ~ +50°C	

### Mounting the Wall Clock Camera

The wall clock camera is a wall mount fitting and the cables can be hidden in the back of the clock. Note that the camera bracket is a fixed bracket providing no angle adjustment.

### Powering the Camera

These wall clock cameras require a 12V DC regulated power supply. The cameras are provided with a fly lead with a 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.

### Connecting the camera to control equipment.

These smoke detector cameras come with a fly lead for power and video. 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.



This symbol on the products and/or accompanying documents means that used electronic equipment must not be treated 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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