



Monochrome and Colour models

This compact Camera is designed to provide Covert video surveillance with simple installation.

Locating the camera.

When selecting a location to mount the camera consider the following.

- Ensure the ceiling is in sound condition, is clean and dry.
- Ensure that the required view is not obstructed.
- Target the lens away from direct sunlight.

If this is not the optimum location for smoke detection then this unit should not be relied on as a Smoke Alarm.

Dimensions

Base Diameter	135x120mm	(8.5")
Depth	50mm	(3.0")
Mass	150g	

Pinhole lens

F=	Approx.
(mm)	Diagonal
3.6mm	90°

The standard viewing angle vertically downwards.

Covert SMO

Operational Smoke detector with covert camera.



For information on smoke detector function and location please refer to the detector instruction leaflet or your local fire station.

The camera requires a regulated 12V DC power supply and provides a composite video signal.

Suitable screened cable must be used to achieve optimum performance.

Camera Models	CCD-SMO/E	CCD-SMO	CCD-SMO/HR
Interline Transfer CCD	1/4" – Mono	1/3" – Mono	1/3" – Mono
Horizontal Resolution	380 TVL	380 TVL	570 TVL
Light Sensitivity	0.2 Lux	0.2 Lux	0.12 Lux
Signal to Noise Ratio	>45 dB	>45 dB	>45 dB
Iris / Exposure	Electronic	Electronic	Electronic
Lens housing	CPLT	SKL	CPLT
Spectral Response	380-1000 nm	380-1000 nm	380-1000 nm
Power (12V DC)	85mA; 1.0W	100mA 1.2W	100mA 1.2W

COL-SMO/E	COL-SMO	COL-SMO/HR
1/4" – Colour	1/3" – Colour	1/3" – Colour
330 TVL	330 TVL	450 TVL
4 Lux	2 Lux	1 Lux
>45 dB	>46 dB	>46 dB
Electronic	Electronic	Electronic
CPLT	CPLT	CPLT
380-660 nm	380-660 nm	380-660 nm
100mA 1.2W	140mA 1.6W	160mA 1.95W

Signal	Composite Video into 75 Ohm	Operating Temperature	-10 to +55 °C
Gamma Correction	0.45	Storage Temperature	-20 to +70 °C
Auto Exposure	Electronic (1/50-1/100,000sec)	Air Humidity	Maximum 85%
On-board Audio	Line-level output (Optional)		

Audio option available on Standard Mono, Standard Colour and Colour Economy models.

The Camera will require a regulated 12 Volt DC supply.

Terminal connections

RED	+12V DC
BLUE	0V and Video/Audio Ground
YELLOW	Video Signal

(selected models)	
WHITE	Audio Signal

The 0V connection should be utilised for the power supply 0V line, Video return (screen) and Audio return (Screen) connections. This acts as a common ground for all signals.

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