

Monochrome and Colour models

Designed to provide discrete surveillance for vulnerable internal applications requiring resistance to Vandalism.

The unit consists of a heavy-duty cast aluminium case with an impact resistant Polycarbonate fascia.

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.

The unit requires a regulated 12V DC power supply and will output a composite video signal to connect to further monitoring appliances.

The camera is fitted and supplied with a colour coded connection terminals.

It is recommended that Co-axial (RG59) cable or a dedicated video multi-core cable is used to link the camera to further equipment.

Lenses

F= (mm)	Approx. Diagonal
2.9mm	120°
3.6mm	90°
6.0mm	54°
8.0mm	40°
12.0mm	26°

Fixed focus units have 3.6mm lens as standard. Alternatives can be specified. Substitute 3.6 with required lens value.

VRC90

Vandal Resistant Corner housing with camera.



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.

Dimensions

Height	85mm
Length	128mm
Width	175mm
Mass	1.5Kg

Camera Models	VRC90 M3.6E	VRC90 M3.6	VRC90 M3.6H
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

VRC90 C3.6E	VRC90 C3.6	VRC90 C3.6H
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. Additional sealant may be required for some applications.

Terminal connections

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

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

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