

Monochrome and Colour models

Designed to provide surveillance for Vulnerable and Harsh environments from either a ceiling or wall mounted location.

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°

Variable focal lens 4-8mm (80° -40°)

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

Dimensions

Base Diameter	230mm
Base Depth	45mm
Dome Diameter	125mm
Overall Depth	110mm
Mass	1.6Kg

VRD230

Vandal Resistant Dome 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.

Terminal allocations

12V	+12V DC power supply
OV	0V power and Video Ground (screen)
VID	Video Signal output (coax core)
SIG	N/C
AUD	N/C

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.

The Camera will require a regulated 12 Volt DC supply. Additional sealant may be required for some applications.

Monochrome Models	VRD230M3.6E	VRD230M3.6	VRD230M3.6H	VRD230 MV	VRD230MHVAI
Interline Transfer CCD	1/4" – Mono	1/3" – Mono	1/3" – Mono	1/3" – Mono	1/3" – Mono
Horizontal Resolution	380 TVL	380 TVL	570 TVL	380 TVL	570 TVL
Light Sensitivity	0.2 Lux	0.2 Lux	0.12 Lux	0.2 Lux	0.2 Lux
Signal to Noise Ratio	>45 dB	>45 dB	>45 dB	>45 dB	>45 dB
Iris / Exposure	Electronic	Electronic	Electronic	Electronic	DC Auto-Iris
Lens housing	CPLT	SKL	CPLT	V4-8	V4-8
Spectral Response	380-1000 nm	380-1000 nm	380-1000 nm	380-1000 nm	380-1000 nm
Power (12V DC)	85mA; 1.0W	100mA 1.2W	100mA 1.2W	85mA 1.0W	85mA 1.0W

Colour Models	VRD230 C3.6E	VRD230 C3.6	VRD230 C3.6H	VRD230 CV	VRD230 CHVAI
Interline Transfer CCD	1/4" – Colour	1/3" – Colour	1/3" – Colour	1/3" – Colour	1/3" – Colour
Horizontal Resolution	330 TVL	330 TVL	450 TVL	330 TVL	450 TVL
Light Sensitivity	4 Lux	2 Lux	1 Lux	2 Lux	1 Lux
Signal to Noise Ratio	>45 dB	>46 dB	>46 dB	>46 dB	>46 dB
Iris / Exposure	Electronic	Electronic	Electronic	Electronic	DC Auto-Iris
Lens housing	CPLT	CPLT	CPLT	V4-8	V4-8
Spectral Response	380-660 nm	380-660 nm	380-660 nm	380-660 nm	380-660 nm
Power (12V DC)	100mA 1.2W	140mA 1.6W	160mA 1.95W	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%

Whilst every effort has been made to ensure the accuracy of the information provided, no liability can be undertaken for any errors or omissions. All dimensions stated in this document are approximate. Stortech Electronics Ltd reserves the right to alter the specifications and introduce improvements without prior notice.

Stortech Electronics Ltd.

Harlow,
Essex.
Great Britain

Telephone 01279 419913
www.stortech.co.uk

STORTECH
ELECTRONICS LTD
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Stortech Electronics Ltd