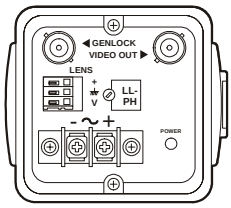
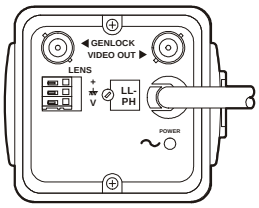
CD9252A and CD9252A/LV

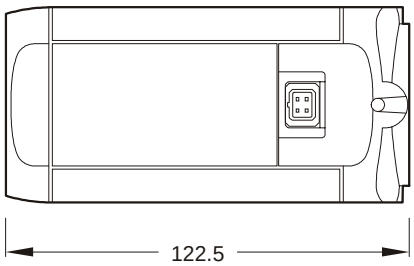
- **Analogue Monochrome Camera**
- **CCIR (EIA available)**
- **1/3" CCD**
- **High Resolution**

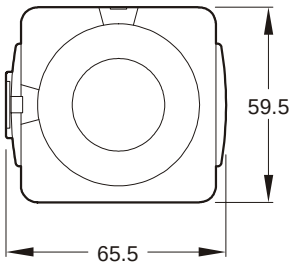


Low Voltage Models



Mains Voltage Models





Camera Features

Sensor	1/3" Sony Hyper HAD™ CCD
Effective Pixels	752 (H) x 582 (V)
Sensitivity	0.07 Lux for usable picture with lens at F1.2 with AGC on (80% scene reflectance) at 40 IRE
Resolution	570 TVL
Electronic Shutter Speeds	1/50, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/100,000 and Flickerless
Video Output	1V p-p composite video via 75Ω BNC connector on the rear of the camera; CCIR: 625 lines 50 fields per second 2:1 interlace
Signal to Noise Ratio	Better than 48dB
Sharpness	On/Off - selectable via a dip switch
AGC	Off/24dB/32dB - selectable via dip switches
Electronic Iris	1/50s - 1/100,000s - selectable On/Off via dip switches
Backlight Compensation	BLC selectable On/Off - weighted to centre third of scene
Gamma Correction	User-selectable 0.8 or 0.45 via a dip switch
Synchronisation System	Line lock - the option to switch to internal synchronisation is provided via a dip switch
Genlock	BNC connector for externally generated synchronisation signal
Adjustable V phase	The line lock vertical phase may be adjusted by ±120°

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Specification

CD9252A and CD9252A/LV

Lens Options	
Manual	Any 'C' or 'CS' mount 1/3", 1/2", 2/3" or 1" lens
Auto Iris (video drive)	Via a 3 terminal, quick release connector at the rear of the camera
Direct Drive (DC iris)	4-pin square type socket on the side of the camera; DC level is user defined via a potentiometer located next to the socket

Power Supply

Low Voltage version	12 - 30V AC; 11 - 40V DC
Mains version	230V AC, +6% -10%, 50Hz
Input Power Isolation	Fully isolated power supply
Power Consumption	Less than 5W

Mechanical

Lens Mount	C/CS via racking back focus mechanism with two adjustment points (top and side)
Camera Mount	1/4-20 UNC or 1/4" BSW (top or bottom)
Dimensions	122.5 (L) x 59.5 (H) x 65.5 (W) mm
Weight	Mains 0.6kg; low voltage 0.35kg
Material	Die-cast zinc lens mount; extruded aluminium body; flame retardant ABS plastic front trim, rear bezel and door

Environmental

Operating Temperature	-10°C to +50°C (14°F to 122°F)
Operating Humidity	20% to 80% relative humidity, non condensing
Storage Temperature	-10°C to +70°C (14°F to 158°F)
Storage Humidity	20% to 90% relative humidity, non condensing

Archictectural Specification

The black and white camera specified shall incorporate a 1/3" format interline transfer CCD with 752(H) x 582(V) effective pixels. The camera shall produce a horizontal resolution of better than 570 television lines / picture height and have a signal to noise ratio of better than 48dB under normal operating conditions and no additional gain. The camera shall be capable of providing a usable image at a scene illumination of 0.1 Lux using an F1.2 lens. The camera shall have selectable Automatic Gain Control with two gain levels. The camera shall have selectable sharpness to offer increased edge enhancement. The camera shall have the capability for Auto Iris (Video Iris) and Direct Drive (DC driven Auto Iris) lenses. In addition it shall also have the capability for Electronic iris (or automatic shutter speed) for fixed aperture lenses operating within the range 1/50 - 1/100000s. The camera shall have the Electronic iris selectable on/off. The camera shall be capable of operating at the following discrete shutter speeds 1/50, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000 of a second, to enable clear capture of fast moving objects. The camera shall have back light compensation selectable on/off. The camera shall have selectable gamma settings of 0.8 and 0.45. The camera shall be capable of line locking to the external 50Hz mains phase or low voltage 50Hz AC power supply. It shall also be capable of phase correction of ±120° for correct installation in 3 phase environments. The camera shall have the facility to be internally synchronised, or to synchronise to an external composite video or composite sync (genlock) input via a BNC connector. The camera shall have provision for back focus adjustments via one of two simple screwdriver gears. This shall provide sufficient range for mounting of both C and CS type lenses without requiring an additional spacer ring. The camera shall provide a standard CCIR composite video signal of 1V p-p when terminated with 75Ω. Connection shall be via a 75Ω BNC connector. The camera shall have mounting points both top and bottom for 1/4-20 UNC or 1/4" BSW. The camera shall operate when powered by 230V AC +6% -10% (mains version). The camera shall operate when powered by either 11-40V DC or 12-30V AC (LV version). The camera's dimensions shall not exceed 122.5 (L) x 59.5 (H) x 65.5 (W) mm. The camera shall be a Baxall CD9252A or CD9252A/LV.

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