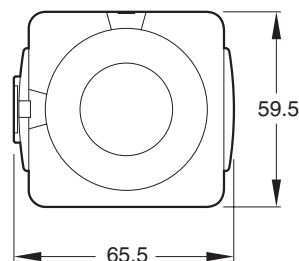
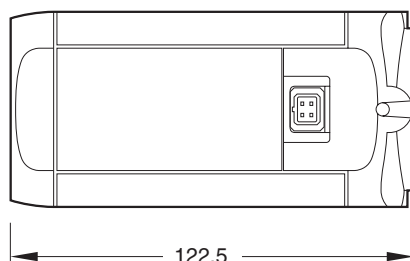
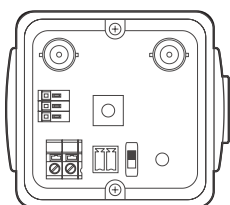


CD9252A/LV/UTP



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



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 (80% scene reflectance) at 40 IRE
Resolution	580 TVL
Electronic Shutter Speeds	1/50, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 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 Twisted pair: for video transmission up to 1000m (100Ω)
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
Sync 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/LV/UTP

Lens Options

Manual	Any 'C' or 'CS' mount 1/3", 1/2", 2/3" or 1" lens. NB lens is not supplied
Auto Iris (video drive)	Via a 3 terminal, quick release connector at rear of camera
Auto Iris (DC drive)	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

Supply Voltage	12 ~ 30V AC; 11 ~ 40V DC
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 & 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	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

Hyper HAD™ is a trademark of the Sony Corporation. Price and specification subject to change without notice.

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 580 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 capability for video iris or DC 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, 1/120, 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 $\pm 120^\circ$ 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 via a 75 Ω BNC connector. The UTP/CCTV video transceiver shall be capable of transmitting baseband colour video signals over unshielded twisted-pair (UTP) telephone wire up to a distance of 1,000 feet (300 m). 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 12~30V AC or 10~40V DC (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/LV/UTP.



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