

PRELIMINARY DATASHEET

PAL 1/2" CCD High Resolution Colour Camera



SPECIFICATIONS

Sensor	1/2" Sony Hyper HAD™ CCD with micro-lens over each pixel
Effective pixels	752 (H) x 582 (W)
Sensitivity	0.4 lux for usable picture with lens at f1.2 with AGC On (80% scene reflectance)
Resolution	480 TV lines
Video output	1 V pk-pk composite video via 75 ohm BNC connector on the rear of the camera. PAL 625 lines, 50 fields per second, 2:1 interlace S-VHS video output providing a Y/C separated video signal via 4-pin mini-DIN connector. Y=0.7V pk-pk, 75Ω; C=0.3V, 75Ω
Signal to noise ratio	Better than 48 dB
White balance	Auto tracing, indoor, outdoor and fluorescent selectable via dip switches
AGC	Built-in 28dB. Selectable on/off
Electronic iris control	1/50s – 1/100,000s. Selectable via dip switches
Backlight compensation	BLC selectable on/off. 8 user-selectable configurations
Gamma correction	User-selectable 1.0 (linear) or 0.45 (normal) via dip-switch
Synchronisation	Genlock, line-lock or internal. Genlock synchronises the camera to another video signal or sync-train. A BNC connector is provided on the rear of the camera for this purpose. Line-lock. In line-lock, the V-phase setting may be fixed or adjustable. The option to switch to internal synchronisation is provided via a dip switch
Adjustable V-phase	The line lock vertical phase may be adjusted $\pm 120^\circ$
Peak White Inversion	Selectable on/off with adjustable threshold
LENS OPTIONS	
Manual	Any C or CS mount 1/2", 2/3" or 1" lens
Auto Iris (video drive)	Via 3-terminal, spring loaded, quick release connector on the rear of the camera
Auto Iris (DC drive)	Via 4-terminal socket on the side of the camera. DC level is user adjustable via a potentiometer

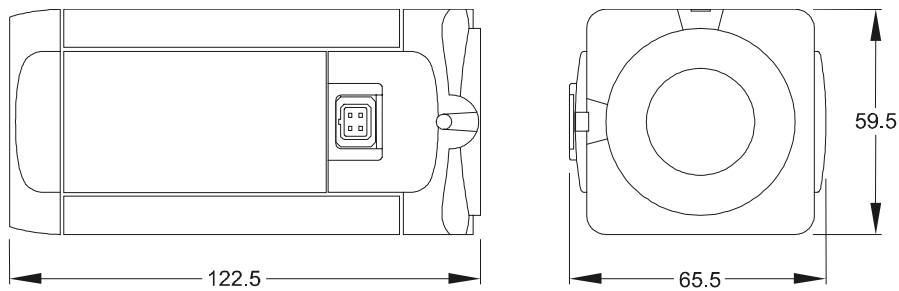
SPECIFICATIONS

Power source	CDX9714: 98 - 260 VAC CDX9714/LV: 12 - 30 VAC; 11 – 40 VDC
Power consumption	less than 5W
Input power isolation	Fully isolated power supply

MECHANICAL

Lens mount	C/CS via adjustable back focus mechanism with two adjustment points (top and side)
Camera mount	1/4-20UNC (top or bottom)
Weight	0.6 kg
Material	Die-cast zinc lens mount. Extruded aluminium body. Flame-retardant ABS plastic front/rear trim and door
Environmental	Operating: Temperature: -10 to +50 ^o C (14 to 122 ^o F) Humidity: 20 to 80% RH (non-condensing) Storage: Temperature: -10 to +70 ^o C (14 to 158 ^o F) Humidity: 20 to 90% RH (non-condensing)

DIMENSIONS



The manufacturer reserves the right to alter price or specification without prior notice. HyperHAD™ is a trademark of Sony Corporation

