

PRELIMINARY DATASHEET

PAL 1/2" CCD Low Light Performance Colour Camera

**SPECIFICATIONS**

Sensor:	1/2" Sony EXview HAD™ CCD with micro-lens over each pixel.
Effective Pixels:	752 (H) x 582 (V).
Sensitivity:	0.4 lux. For usable picture with lens at f1.2 with AGC (80% scene reflectance).
Resolution:	480 TVL.
Video Output:	1V p-p composite video via 75Ω BNC connector on the rear of the camera. PAL: 625 lines 50 fields per second 2:1 interlace. S-VHS video output provided giving a Y/C separated video signal. 4 pin mini-DIN connector has: Y=0.7V p-p, 75Ω. C=0.3V, 75Ω.
Signal to Noise Ratio:	Better than 48dB.
White Balance:	Auto Tracing, Indoor, Outdoor, Fluorescent selectable via dip switches.
AGC:	Built in 28dB. Selectable On/Off.
Electronic Iris:	1/50s – 1/10,000s. Selectable On/Off 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 a dip switch.
Sync System:	Genlock, line-lock or internal. Genlock synchronises the camera to another video signal or synctrain A BNC connector is provided on the rear of the camera for this purpose. Line-lock. In line-lock the setting of the V Phase can be set to 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 by ±120°.
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 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:** CDX9714: 98 - 260V AC
CDX9714/LV: 12-30V AC, 11-40V DC
- Input Power Isolation:** Fully isolated power supply.
- Power Consumption:** Less than 5W.

Mechanical Specifications:

- 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 and bottom).
- Dimensions:** 137.5 (L) x 59.5 (H) x 65.5 (W) mm.
- Weight:** 0.6 Kg
- Material:** Die-cast zinc lens mount. Extruded aluminium body. Flame retardant ABS plastic front trim, rear bezel and door.

Environmental (Temperature and Humidity):

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

Physical Dimensions: