

PRELIMINARY DATASHEET

PAL 1/2" CCD High Resolution Mono Camera with extended IR performance



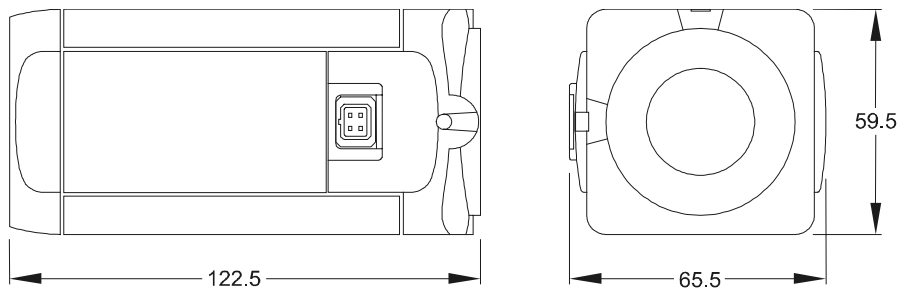
SPECIFICATIONS

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| Sensor | 1/2" Sony Exview HAD™ CCD with micro-lens over each pixel |
| Effective pixels | 752 (H) x 582 (W) |
| Sensitivity | 0.04 lux for usable picture with lens at f1.2 with AGC On (80% scene reflectance) |
| Resolution | 570 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 |
| 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

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| Power source | CDX9742: 98 - 260 VAC CDX9742/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° C (14 to 122° F) Humidity: 20 to 80% RH (non-condensing) Storage: Temperature: -10 to +70° C (14 to 158° 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

