



- Monochrome DSP camera
- Extended IR performance
- Variable peak white inversion
- CCIR 1/2" EXview™ CCD
- High resolution

Camera Features

Sensor	1/2" Sony EXviewHAD™ CCD with micro-lens over each pixel
Effective Pixels	752 (H) x 582 (V)
Sensitivity	0.04 lux. For usable picture with lens at F1.2 with AGC and extended IR performance (80% scene reflectance)
Resolution	580 TVL
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
AGC	Built in 28dB. Selectable On/Off
Electronic Iris	1/50s - 1/100,000s. 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
Synchronisation 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 allows V Phase to 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

SPECIFICATION

CDX9742 & CDX9742/LV

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

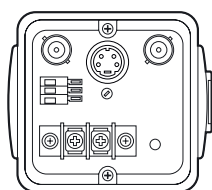
Low Voltage version	12~30V AC, 11~40V DC
Mains version	98~260V AC 50/60Hz
Input Power Isolation	Fully isolated power supply
Power Consumption	Less than 5W

Mechanical

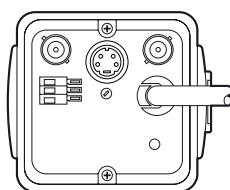
Lens Mount	C/CS via racking back focus mechanism with two adjustment points (top and side)
Camera Mount	1/4"20 UNC or 1/4"BSW (top or bottom)
Dimensions	137.5 (L) x 59.5 (H) x 65.5 (W) mm
Weight	Mains version: 0.5 kg, low voltage version: 0.35kg
Material	Die-cast zinc lens mount. Extruded aluminium body. Flame retardant ABS plastic front trim, rear bezel and door

Environmental

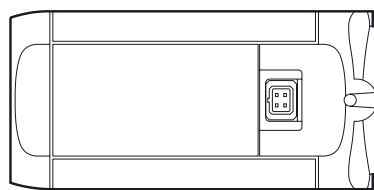
Operating Temperature	-10 to +50°C (14 to 122°F)
Operating Humidity	20% to 80% relative humidity, non condensing
Storage Temperature	-10 to +70°C (14 to 158°F)
Storage Humidity	20% to 90% relative humidity, non condensing



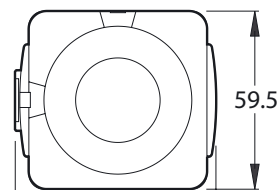
Low Voltage Models



Mains Voltage Models



137.5



59.5

65.5



BAXALL
LIMITED

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