

CDH6223

Day/Night Camera

- Remote set-up via RS485 or coax with OSD
- Filter switching for maximum day/night performance
- 1/2" EXviewHAD™ CCD
- 4 user defined configurable groups
- On screen menus accessible at the camera or remotely
- 10 bit A/D for clearer images
- Peak white inversion
- Selectable auto black



The CDH6223 camera is a day/night camera with a difference. It has two optical filters; one for colour operation and one for monochrome to give no compromise performance 24 hours a day. The camera switches the optical filters as necessary into the optical path between CCD and lens. The colour filter prevents unwanted IR light reaching the CCD and keeps the colour reproduction accurate. The monochrome filter passes IR allowing the EXviewHAD™ CCD to become responsive to both near and far IR illumination.

Up to four user definable profiles are available. Profiles allow the camera to be set up for different applications or lighting conditions e.g. night, day, traffic monitoring etc. These profiles can be recalled when required.

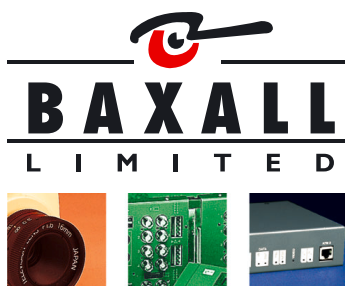
Simple on screen menus are used for set up and configuration instead of dip switches. All changes can be made remotely using Baxall coaxial telemetry or RS485 via a PC. The backlight compensation feature has five windows. Each window is moveable, resizable and has adjustable weighting.



CDH6223 Day/Night Camera

Specifications

Camera Features	
Sensor	1/2" Sony EXviewHAD™ CCD
Effective Pixels	752 (H) x 582 (V)
Sensitivity	0.3 lux colour, 0.05 lux monochrome; for usable picture (40 IRE) with AGC on; lens at F1.2, 80% scene reflectance
Resolution	480 TVL
Video Output	1V p-p composite video via 75Ω BNC connector PAL/CCIR: 625 lines, 50 fields per second, 2:1 interlace S-Video output: Y/C signal - Y=0.7V p-p, 75Ω C=0.3V p-p, 75Ω
Signal to Noise Ratio	Better than 48dB
White Balance	3200K, 4200K, 6300K, USER (red and blue adjust) and HOLD PUSH
AGC	Off, 8, 16, 18, 20, 22, 24, 32dB
Electronic Iris	1/50s~1/100,000s menu selectable
Backlight Compensation	5 windows can be moved, resized and assigned weightings to allow completely configurable BLC
Gamma Correction	7 levels (0.4, 0.45, 0.6, 0.7, 0.8, 0.9, 1.00)
Shutter Speeds	E1 on 1/50, 1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10,000, flickerless (1/120)
Synchronisation System	Full colour Genlock (H, V & SC adjustment), Internal or Line lock (360° adjustment)
Auto Black	Selectable with level adjust
Peak White Inversion	With adjustable threshold
Camera Title	12 characters, alphanumeric
Group Settings	Settings can be saved to 4 user groups
Group Switching	By menu or remotely via 9-pin D type connector
Remote Setup	Via coax (Baxall Telemetry) or RS485
Lens Options	
Manual	Any 'C' or 'CS' mount 1/2", 2/3" or 1" lens. NB lens is not supplied
Auto Iris (video drive)	Via a 3 terminal, quick release connector at the rear of the camera
Direct Drive (DC iris)	4-pin square type socket on the side of the camera
Power Supply	
Low Voltage Only	18~30V AC; 11~40V DC
Input Power Isolation	Fully isolated power supply
Mechanical	
Lens Mount	C/CS via racking back focus mechanism adjustment
Camera Mount	1/4-20 UNC or 1/4" BSW (top or bottom)
Dimensions	200 (L) x 65 (H) x 81 (W) mm
Weight	0.6kg
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



The manufacturer reserves the right to alter price or specification without prior notice.

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