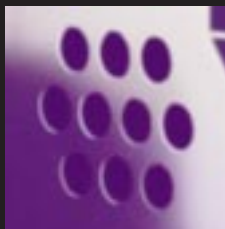


VK-S234E



High-sensitivity CCTV colour camera

- Digital slow shutter full colour surveillance in low light environments
- High durability built-in X22 optical power zoom lens provides variable viewing angles
- High resolution $\frac{1}{4}$ inch colour CCD pickup reproduces images with detail and clarity
- AI/fuzzy picture control with advanced DSP
- Remote control capability through RS-232C
- Advanced Hitachi features like backlight compensation, auto-white balancing and remote focus, iris and zoom control



HITACHI

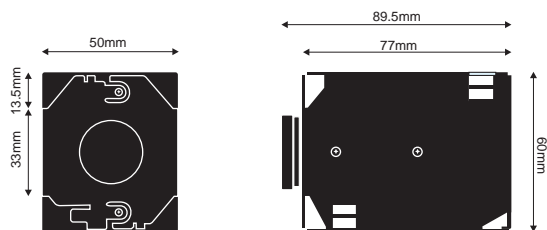
more than hitech

VK-S234E Technical Specifications

VIDEO	
Signal Format	PAL
System	2:1 interlaced
Frequency	Horizontal: 15.625kHz Vertical: 50Hz
PICKUP SENSOR	
CCD Image Sensor	1/4 Interline CCD
Total Number of Pixels	795(H) x 596(V); 470k
Effective Pixels	752(H) x 582(V); 440k
LENS	
Lens	F1.6f=4-88mm; high durability
Variable Focal Length	X22 zoom lens; autofocus
Angle of View	Horizontal 47° (wide), 2.2° (tele)
Min Focal Distance	0.01m (wide), 1.0m (tele)
DIGITAL SIGNAL PROCESSOR	
Signal Processing	Digital Signal Processor (Hitachi DSP-V)
Sync System	Internal or external (line lock)
Luminance S/N	>50dB
Sensitivity	0.1 1x (1/2s), 0.2 1x (1/4s)
VIDEO OUTPUT	
Video Output	Composite 1.0 +/-0.2Vp-p
Horizontal Resolution	460 TVL
POWER	
Power Requirement	3.3W (max)
Supplied Voltage	9VDC+/-0.5V
CAMERA FUNCTIONS (CONTROL THROUGH RS-232C)	
Optical Zoom	TELE-WIDE (zoom speed 3.9s*/6.3s)
Digital Zoom	Off*/On (up to 8X)
Video Focus	Auto*/Manual (NEAR-FAR)
White Balance	Auto*/Manual (Red/Blue Gain Level: UP-DOWN)
Shutter speed	Auto (seamless shutter speed control): 1/1.5-1/3*-1/4,00 Manual: 1/1.5-1/30,000
Iris Control	Auto*/Manual (Manual Iris Level: UP-DOWN; Auto Iris Cont. Level: UP-DOWN)
Gain Control	Auto*/Manual (Auto Gain Cont. Level: UP-DOWN)
Other Control	Position Preset
PHYSICAL SPECIFICATIONS	
Dimensions (WxHxD)	50 x 60 x 89.5mm
Weight	Approx 225g
OPERATING AND STORAGE CONDITIONS	
Ambient Temperature	0°C - 60°C (recommended 0°C-40°)
Humidity	10% - 90%

*default setting

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Design and specifications are subject to change without notice



Digital slow shutter

Allows the camera a long exposure time of 1/2 sec, which translates into a higher sensitivity and minimum illumination of only 0.1 lux. Since more colour data is captured and stored by the camera, colour accuracy is greater than a conventional video camera.

Metal frame and easy installation

Compact solid metal frame allows you to install it in the casing of your choice. And all interfaces, including power, are integrated into one connector.

Built-in optical power zoom lens

Highly reliable and offers auto focus, auto iris and zoom functions, letting the user monitor a scene from any angle of view. In conjunction with X8 digital zoom, the total zoom ratio is X176.

High resolution

1/4 inch CCD pickup features approx. 440k effective pixels and high horizontal resolution (460 TVL) means picked-up images are reproduced with detail and clarity

AI (Artificial Intelligence)/Fuzzy Control Circuit with DSP

AI Auto Iris adjusts iris so that video output is kept at a fixed level, even if surrounding illumination changes. AI Auto White Balance provides natural colour reproduction according to ambient lighting.

Backlight compensation

Even with strong incidental light, a backlight compensation area can be selected from six divided areas on the screen so that the subject will not be too dark.

Remote control through RS-232C

Allows control of the camera's focus, iris, zoom, shutter, speed etc.



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