



Extra High Resolution Day/Night/Infrared Camera

The day/night camera solution for any indoor or outdoor application.

- Over 520 TV Lines
- Built-in DSP
- Minimum illumination down to 0.03 lux (black & white mode) and 0.6 lux (color mode) at F1.2
- Intelligent light sensing mode control to prevent color or black & white hunting
- SuperSmart BLC™ with Multi-zone analysis
- External control for color to black & white switching.
- Operates under non-visual light infrared lighting conditions.
- Internal sync and 24 Volt A.C. line lock power for system application
- Internal setting for video and DC type lens switching.
- Three-year warranty

VCC-4594



(Shown with Optional Lens)



VCC-4594

The any light camera
for any application.

Main Features

- Over 520 TV Lines under most lighting conditions. Perfect for any applications requiring zoom lens for excellent resolution over long distances.
- Minimum illumination down to 0.03 lux at F1.2 (Black and white mode). By combining visual and infrared lighting, actual minimum illumination can be lower down to 0.00 lux under IR lighting.
- Intelligent light sensing mode control to prevent hunting. Sanyo unique system samples lighting conditions over time to ensure that resulting light levels require a change. This avoids the "hunting" affect of rapid switching between color and black and white mode.
- User programming offers the choice of color to black and white change over. The VCC-4594 can be programmed to maintain color down to minimum lighting levels, or switch to black and white at higher light levels for more noise free pictures.
- External control for color to black and white switching offers the ability to over ride camera programming when greater sensitivity is required.
- Operates under infrared lighting conditions. The VCC-4594 responds to infrared lighting out to 930 nanometers.
- 24 Volt A.C. power supply with line lock for system interface.
- Internal setting for video and DC type lens switching.

Specifications

	VCC-4594
Scanning System	NTSC Standard: 525 lines, 30 Frames/Sec: 2:1 Interlace
Image Device	Interline Transfer CCD
Image Sensor	1/3" 811 X 508 (V) picture elements 768 X 494 (H) effective picture elements
Geometry	No picture distortion
Synchronizing System	Internal/Line Lock @ 24 Volts A.C.
Resolution	Horizontal 520 lines (Color and B/W)
Video output level	1.0 Vp-p @ 75 ohms composite
Video S/N ratio	More than 48db
Minimum illumination	0.03 lux @ F1.2 lens B/W mode @ 50IRE 0.6 lux @ F 1.2 lens Color @ 50 IRE
Backlight compensation	Multi-Zone/Center-Zone light measuring system (Activated when auto iris lens is used), ON/OFF - slide Sw (side)
White Balance	ATW/AWC/Manual
Lens Mount	CS Mount
Flange Back adjustment	12.5 +/-0.5mm
Electronic iris range	0.6 lux to 35,000 lux @ F1.2 color mode 1.0 lux to 50,000 lux @ F1.4 color mode
Controls	Backlight compensation BLC: ON/OFF White balance ATW/Manual Color Adjust Gain R, B Auto Iris Lens LENS: DC/Video Electronic Iris ON/OFF Lens iris level IRIS LEVEL Color-B/W Level H/L Line Lock Phase VR control
Sockets	Video signal VIDEO OUT BNC Auto Iris Lens LENS 4 Pin
External Control	B, C, G. B/W @ ground contact to B Color at ground contact to C
Camera Mount	1/4" 20 UNC with top or bottom position
Environmental Conditions	Operating: Temperature -10°C to + 50°C (14°F to 122°F) Humidity: Within 90% RH Storage: Temperature -20°C to + 70°C (-4°F to 158°F) Humidity: Within 70% RH
Power Indicator	Red LED
Power Consumption	3.8 w
Power Supply	24 Volts @ 60 Hz
Dimensions	2.6" (67mm) X 2.1" (54mm) X 5" (128mm)
Weight	450g

Specifications and product design are subject to change without notice.
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SANYO Security Video
21605 Plummer Street
Chatsworth, CA 91311
Phone: (818) 998-7322, ext. 286
Fax: (818) 717-2716
Technical Support: (888) 66-SANYO
www.sanyocctv.com