

SANYO

1/3" Color CCD DSP High-resolution Camera

- Industry leading 520 TV lines of horizontal resolution
- Built in DSP (digital signal processing) circuitry
- Intelligent backlight compensation
- Minimum required illumination of 1.4 Lux with F1.2 lens
- 24 V AC operation

VCC-6574 Color NTSC

DIGITAL

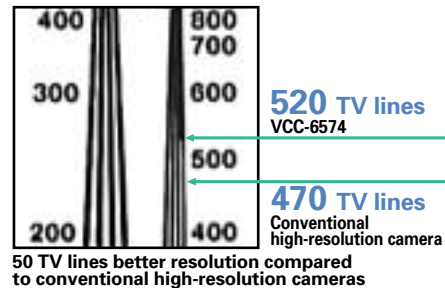


**1/3" Color CCD DSP High-resolution Camera
VCC-6574**

**Super
High-resolution**



Horizontal 520 TV Lines

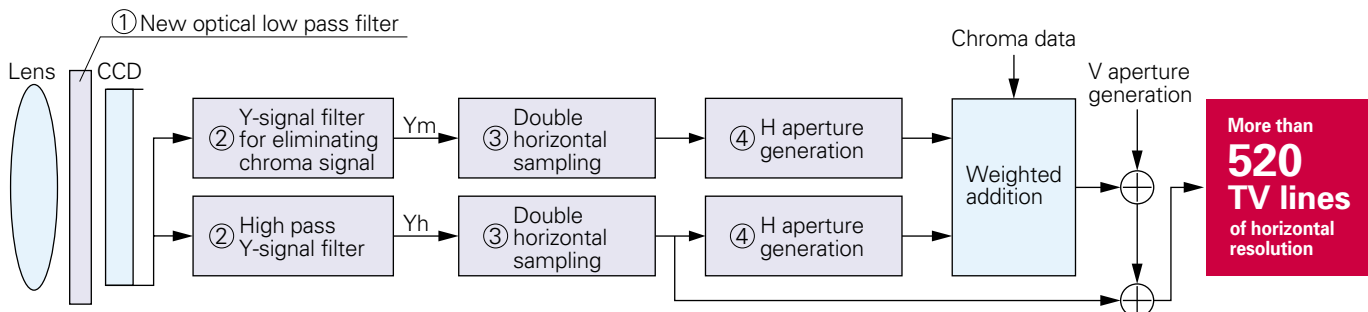


*Images produced by the camera may differ slightly from above images

The super high-resolution camera

With four innovations developed by SANYO, VCC-6574 is the first 1/3" 1-CCD camera to achieve horizontal resolution of 520 TV lines. This unbelievably high resolution opens a new era for all security systems.

- ① New optical low pass filter
- ② All new Y/C separation circuitry
- ③ Double horizontal sampling
- ④ Chroma-regulated H aperture generation



New DSP!



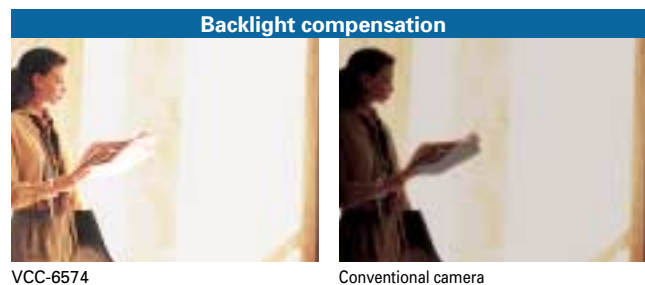
* Synthesized photo

Intelligent Backlight Compensation

The new DSP circuitry further improves picture quality

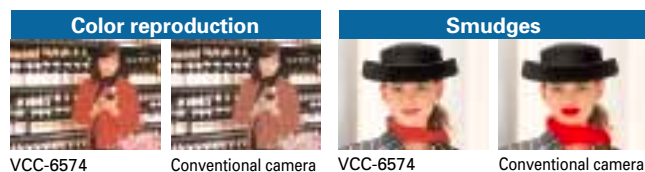
A clear view of off-center objects Intelligent backlight compensation

The screen is divided into 64 small areas in which luminous intensity is measured separately to determine the lighting conditions of all objects within the frame. This new method provides a clear view of off-center and moving objects that was not possible with conventional backlight compensation.



Superior color reproduction and aperture compensation

The new DSP circuitry comes with the latest algorithm to reproduce natural colors. At the same time, digital processing of the video signal reduces smudges and produces sharp, crisp pictures.



* All photos shown are conceptual used only to visualize major improvements SANYO's conventional cameras

- 1/3" CCD image sensor with approx. 410,000 picture elements
- Minimum required illumination of 1.4 Lux with F1.2 lens

- TTL auto tracing white-balance / Manual white-balance
- Electronic iris (indoor use)
- Internal sync. / Line lock
- 24 V AC operation (electrically isolated)

Realization of high-resolution surveillance systems for the future


By using high-resolution versions of multiplexers, VCRs, and monitors, it is possible to record and reproduce superior pictures captured by VCC-6574. These are advanced surveillance solutions from SANYO.

Camera




1/3" Color CCD DSP
High-resolution Camera
VCC-6574
More than
520 TV lines
of horizontal resolution

Multiplexer



16-channel Duplex Multiplexer
(color)
MPX-CD162



9-channel Duplex Multiplexer
(color)
MPX-CD92

VCR



Digital Real Time VCR
DTL-4800
More than
520 TV lines
of horizontal resolution

Monitor




13" Color Video Monitor
VMC-8613 (Available soon)
More than
750 TV lines
of horizontal resolution

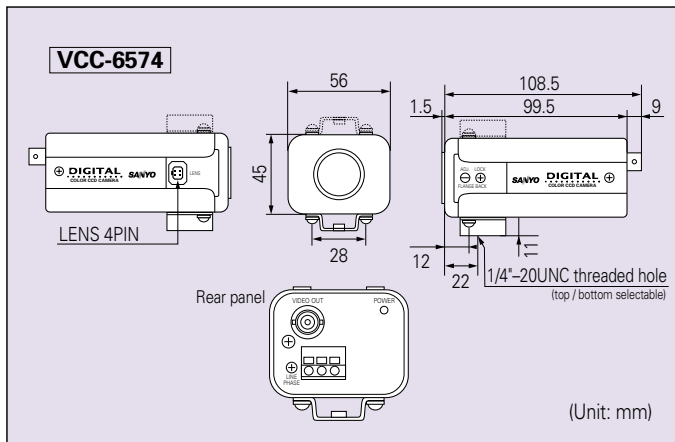


18" Color Video Monitor
VMC-8618 (Available soon)
More than
800 TV lines
of horizontal resolution

*More models to be introduced soon.

Lenses for 1/3" CCD camera

- Super Wide-angle Lens **VCL-CS2LYB** 
- Wide-angle Lens **VCL-CS4LYB** 
- Standard Lens **VCL-CS8LYB** 



MODEL	VCC-6574
Scanning system	NTSC standard 525 lines, 30 frames/sec.
Image sensor	1/3" (approx. 4.8 mm x 3.6 mm) interline transfer method CCD
Picture elements	Total: 811(H) x 508(V), Effective: 768(H) x 494(V)
Horizontal resolution	520 TV lines
Minimum illumination (approx.)	1.4 Lux (F1.2)
Video output level	1.0 V (p-p) (75 ohms, composite)
Video S/N ratio	More than 48 dB
Backlight compensation	ON / OFF — Slide SW (side) ON = Multi-spot photometry (64-section) / Center focus photometry — Slide SW (side) (Activated when auto iris lens used)
White-balance	TTL auto tracing white-balance / Manual — Slide SW (side)
Color adjust. at manual	R, B — VR (side)
Gain control	Automatic
Electronic shutter	—
Light control	Optical auto iris lens / Electronic iris (indoor use)
Lens mount	CS / C mount (C mount: using C-mount adaptor, sold separately)
Flange back	12.5 mm ±0.5 mm adjustment
Auto iris lens	DC / VIDEO — Slide SW (side)
Auto iris output	DC: Drive coil (+, -), Brake (Damp) coil (+, -) VIDEO: +12 V DC (Max. 50 mA), Video output (1.0 V p-p, high impedance), GND
Lens iris level	LEVEL: L~H — VR (side)
Electronic iris	ON / OFF — Slide SW (side)
Electronic iris range	1.4 Lux to 70,000 Lux (F1.2)
Synchronizing system	Internal sync. / Line lock — Slide SW (side)
V phase adjustment	LINE PHASE — VR (rear)
Video signal	VIDEO OUT — BNC (rear)
Sockets	Auto iris lens LENS — 4-pin (side) Power supply 24 V AC, GND — Pushbutton terminal x 3 (rear)
Operating conditions	Temperature: -10°C to 50°C [14°F to 122°F], Humidity: within 90% RH
Power requirement	24 V AC, 60 Hz
Power consumption (approx.)	3.7 W (with AI lens), 2.9 W (without AI lens)
Camera mount	1/4"-20 UNC (top / bottom selectable)
Dimensions (approx.)	58(W) x 45(H) x 99.5(D) mm [2.2(W) x 1.77(H) x 3.92(D) in.] (w/o camera & lens mounts)
Weight (approx.)	310 g [10.9 oz.] (without lens)

*Specifications subject to change without notice

***Caution:** please consult the instruction manual to ensure safe and proper operation of the product.

Distributed by:



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Video Imaging Systems Division

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