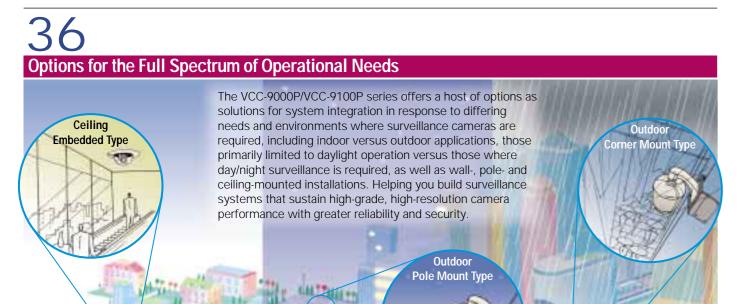
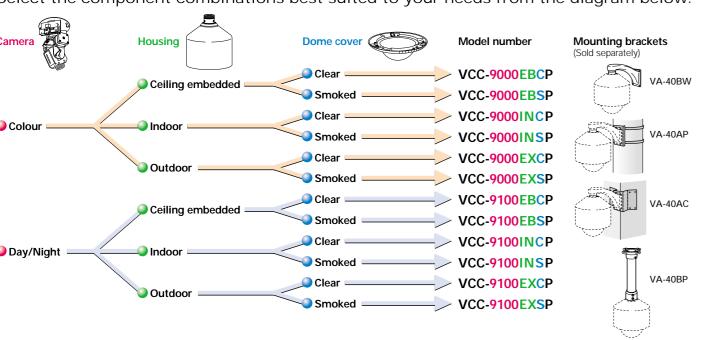
Flexibility for cameras adaptable to operational environments.



Component codes displayed in model number system

	Camera type	Housing type	Dome cover type	Scanning system
VCC-	9000 Colour	EB Embedded	C Clear	P PAL system
	9100 Day/night	IN Indoor	S Smoked	
		EX Outdoor		

Select the component combinations best suited to your needs from the diagram below.



Speed Dome Camera Systems

Model No. Scanning sys Image sensor Picture elements Horizontal res Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur (F1.6, 50 IRE	Effective Total solution .6 to 3.8) om ion method mination Colour mode	VCC-9100□□□P PAL standard (625 li 1/4" interline tran 752 (H) x 795 (H) x More than 5 22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s Max. 352x combine Auto / Off Auto / Off Internal sync 1.2 lx (Normal) 0.04 lx (32x electronic sensitivity boost)	sfer method CCD (582 (V) (592 (V) (592 TV lines 22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Image sensor Picture elements Horizontal res Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur	Effective Total solution .6 to 3.8) om fon method mination Colour mode)	1/4" interline tran 752 (H) 795 (H) More than 5 22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s Max. 352x combine Auto / Off Auto / Off Internal syno	sfer method CCD (582 (V) (592 (V) (592 TV lines 22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Picture elements Horizontal res Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur	Effective Total solution .6 to 3.8) om from method mination Colour mode)	752 (H) x 795 (H) x 795 (H) x 795 (H) x More than 5 22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s Max. 352x combine Auto / Off Auto / Off Internal sync	x 582 (V) x 592 (V) 520 TV lines 22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
elements Horizontal res Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur	Total solution .6 to 3.8) om fon method mination Colour mode)	795 (H) x More than 5 22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s Max. 352x combine Auto / Off Auto / Off Internal syno	(592 (V) 520 TV lines 22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Horizontal res Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur	ion method Colour mode Colour mode	More than 5 22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s	22 TV lines 22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Zoom lens (F1 Electronic zoo Auto focus Iris control Synchronisat Minimum illur	ion method mination Colour mode Colour mode	22x, f = 3.6 to 79.2 mm Auto (2x, 4x, 8x, 16x s	22x, f = 4.0 to 88 mm electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Electronic zoo Auto focus Iris control Synchronisat Minimum illur	ion method mination Colour mode	Auto (2x, 4x, 8x, 16x s Max. 352x combine Auto / Off Auto / Off Internal syno	electable speed) / Off d with optical zoom (Manual) (Manual) chronisation		
Auto focus Iris control Synchronisat Minimum illur	ion method mination Colour mode	Max. 352x combine Auto / Off Auto / Off Internal syno	d with optical zoom [(Manual) [(Manual) chronisation		
Iris control Synchronisat Minimum illur	Colour mode	Auto / Off Internal syno 1.2 lx (Normal)	((Manual) chronisation		
Synchronisat Minimum illur	Colour mode	Internal synd	chronisation		
Minimum illur	Colour mode	1.2 lx (Normal)			
	Colour mode		2 O by Alaman		
(F1.6, 50 IRE)		2 O ly Alaman		
(F1.6, 50 IRE)	0.04 lx (32x electronic sensitivity boost)	2.0 lx (Normal)		
(F 1.0, 5U IRE	•		0.06 lx (32x electronic sensitivity boost)		
	b/vv inode	0.06 lx (Normal)			
		0.0002 lx (32x electronic sensitivity boost)	_		
	C-1	0.5 lx (Normal)	0.8 lx (Normal)		
/F1 / 00 IDE	Colour mode	0.015 lx (32x electronic sensitivity boost)	0.024 lx (32x electronic sensitivity boost		
(F1.6, 20 IRE		0.02 lx (Normal)			
	B/W mode	0.0006 lx (32x electronic sensitivity boost)	_		
S/N ratio		More than 50 dB (AGC off)			
Backlight con	npensation	On (centre-weighted photometry) / Off			
Electronic H	ligh-speed mode	8 steps: 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000			
shutter L	ow-speed mode	5 steps: 2x, 4x, 8x, 16x, 32x			
Electronic ser		Auto (interlocked with auto iris), up to 32x / Off			
Day/night ope		Auto / Colour / B/W —			
White Balance		ATW / MWB			
Gain control	-	Auto			
Aperture		H / V setting possible			
Privacy mask	ina	Max. 4	01		
Mirror image		Horizontally (H) / Vertically (V) /	Horizontally and vertically (VH)		
Character dis		Screen titles and camera ID (max. 16 characters each)			
Auto mode	piaj	Sequence / Tour / Auto pan / Zone			
Movement H	lorizontal	360° endless			
_	ertical	0 to			
Movement H		Preset: 300°/sec. Ma			
	ertical	Preset: 300°/sec, Ma			
Preset position		80 settings			
Auto flip	ar setting	Mechanical auto flip			
	S-485		<u>'</u>		
Communi-	oaxial control (SSP)	Yes Yes			
cations –	rotocols	SANYO, Pelco "D", Kalatel, Vicon			
r	10100013	0 to 40°C = VCC-9100EBCP/EBSP	0 to 40°C = VCC-9000EBCP/EBSP		
Operating T	emperature	VCC-9100INCP/INSP -20 to 50°C = VCC-9100EXCP/EXSP	VCC-9000INCP/INSP -20 to 50°C = VCC-9000EXCP/EXSP		
_	lumidity	Below 9			
Power require			24 V AC ±10%, 50 Hz		
1 ower require	SINGIL	10 W = VCC-9100EBCP/EBSP	10 W = VCC-9000EBCP/EBSP		
Power consu	mption	VCC-9100INCP/INSP 50 W = VCC-9100EXCP/EXSP	VCC-9000INCP/INSP 50 W = VCC-9000EXCP/EXSP		
Weight		3.0 kg = VCC-9100EBCP/EBSP 3.7 kg = VCC-9100INCP/INSP	3.0 kg = VCC-9000EBCP/EBSP 3.7 kg = VCC-9000INCP/INSP		

	Dimensions			(Unit: mm)
	Housings			
	Outdoor type Clear / smoked	Indoor type Clear / smo	oked	Embedded type Clear / smoked
	VCC-9000EXCP/EXSP VCC-9100EXCP/EXSP		INCP/INSP INCP/INSP	VCC-9000EBCP/EBSP VCC-9100EBCP/EBSP
st)	240	200	218	194
	Mounting Brackets VA-40BW			
	Wall mount installation br	acket	, 110	. 225
0	1		84 10	
	VA-40AC Corner mount installation	bracket	VA-40BP Pendant mount	installation bracket
	105.3	90° 100 84 84 M8		R42.5 R50 R60
SP	VA-40AP Pole mount installation br	acket		9
SP SP		45 S 120 M8		0008



All photographs are representations only.
 For complete information on product specifications and accessories, please contact your local SANYO supplier.

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









DI Solutions Company of Sanyo Electric Co., Ltd. obtained Quality Management System ISO 9001 and Environmental Management System ISO 14001

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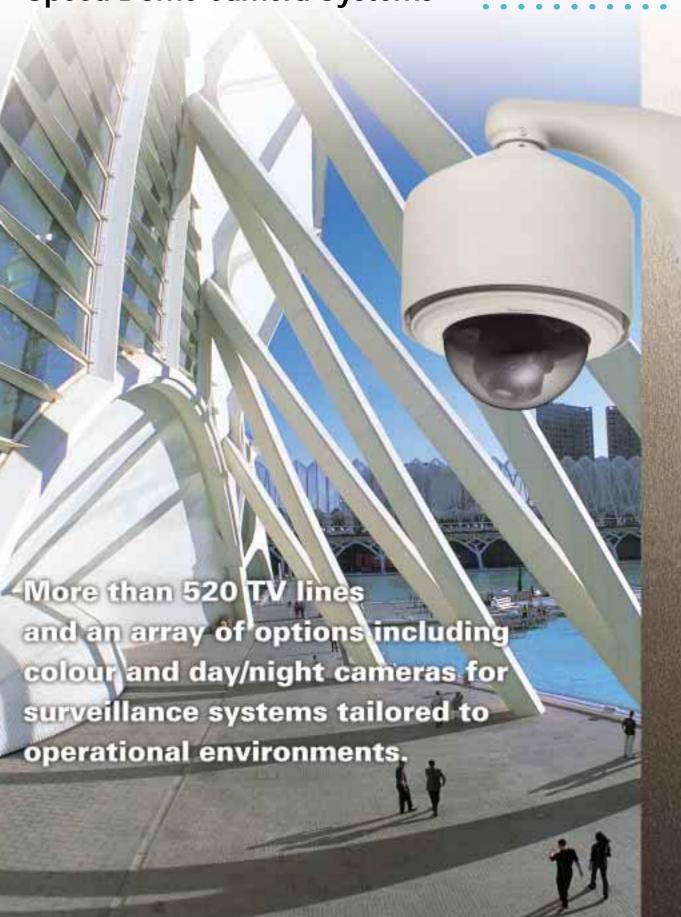


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SMS105







Performance

for a vivid record of objects captured on video.

TV Lines of Horizontal Resolution

With a built-in auto-focus zoom lens, the high-performance VCC-9000P/VCC-9100P series allows for greater accuracy in monitoring of activities in a wide range of environments. This is combined with the superior clarity and sharpness of digital imaging achieved by SANYO's digital signal processing (DSP) system for over 520 TV lines of horizontal resolution.





352x

Power Zoom (22x Optical, 16x Digital)

The 22x optical zoom and the 16x digital zoom can be combined for close-ups at a magnification power of 352x. This allows even distant subjects to be observed in detail, enabling one camera to monitor a wider area.



Electronic Sensitivity Boost

While offering minimum illumination of 1.2 lx with the VCC-9100P or 2.0 lx with the VCC-9000P, camera sensitivity can be further enhanced via an up to 32x electronic sensitivity boost.

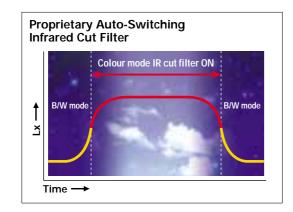
	Model No.	Mode	Normal	32x electronic sensitivity boost
	VCC-9100P	Colour	1.2 lx	0.04 lx
		B/W	0.06 lx	0.002 lx
	VCC-9000P	Colour	2.0 lx	0.06 lx
•			•	



NIGHT VCC-9100P Option

for Round-the-Clock Applications

As the VCC-9100P senses the amount of light in the viewing area, it automatically turns the IR cut filter on and off as required. As more precise colour reproduction is essential in the colour operation mode, the filter is turned on. In the B/W mode, clear bright images (to a minimum required illumination of 0.06 lx) are produced by switching the filter off and increasing light



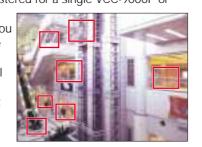
The VCC-9100P's sensitivity to exposed light allows it to automatically switch from colour to B/W mode so as to effectively engineer the capabilities of two CCD cameras into one for an ideal 'all-in-one' cost-effective solution for all surveillance needs.

Agility for surveillance that captures the moment of truth.

80 Preset Positioning and **Sequential Monitoring Functions**

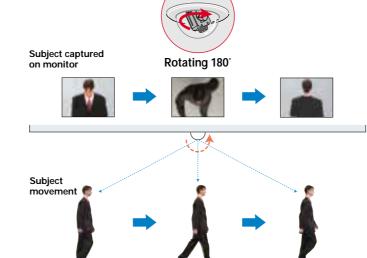
Up to 80 preset positions (with different settings for pan, tilt, zoom and focus) can be registered for a single VCC-9000P or VCC-9100P. A simple key

entry to a controller allows you to easily switch to the scene you want to monitor. Moreover, up to 4 sequential monitoring patterns, each consisting of up to 36 preset positions, can be stored and recalled.



Mechanical Auto Flip for **Monitoring Objects Directly Below**

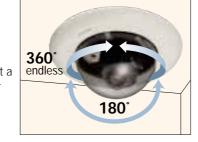
The camera within the dome automatically flips the image (top/bottom or left/right) into an upright position by rotating 180° as it tracks a subject passing directly below the dome. This feature allows continuous monitoring of moving objects over a range of 180° in the vertical plane without unwanted image inversion.



Variable Speed Pan and Tilt

Providing endless panning over 360° in the horizontal plane and 180° of tilt in the vertical, the camera can be made to move at variable speeds (0.5° to 140° per second for horizontal and

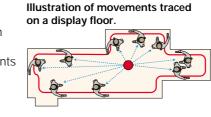
vertical planes) by joystick or to pan/tilt to scenes designated for monitoring. When preset positions have been entered, it offers the capability to swiftly pan/tilt at a maximum speed of 300° per second between monitoring positions.



Tour Mode Stores and Replicates Manually Operated Patrols

Capable of storing up to 1,000 commands of manual pan, tilt, and zoom operations in memory and recreating the same

movement pattern as a trace path setting. Auto-pan monitoring can also be programmed by designating two end points on a horizontal plane.



Backlight compensation (Centre-weighted photometry system)

Luminance measured at the centre of the field of view together with automatic lens aperture adjustment enable a clear image even when backlit.





Privacy Masking

When there is a house or even an object as small as a window within the camera frame, it is possible to mask the area so that it will not appear on the monitor screen to protect other people's privacy. Up to 4 rectangular masks of arbitrary size can be set per screen.



Easy On-screen Setup and Adjustment of **Default Settings**

Both the VCC-9000P and VCC-9100P can be set up on-screen and operated using a controller with SANYO's Security Serial

Protocol (SSP). Furthermore newly developed digital video recorders can be connected to allow setup of camera settings and controls using the front panel buttons and an OSD (on-screen display). For details on compatible recorders, please contact your local SANYO supplier.



Built-in Electronic Shutter

Enables eight high-speed shutter settings from 1/50 sec. to 1/10,000 sec. in addition to five low-speed settings from 2x to 32x.

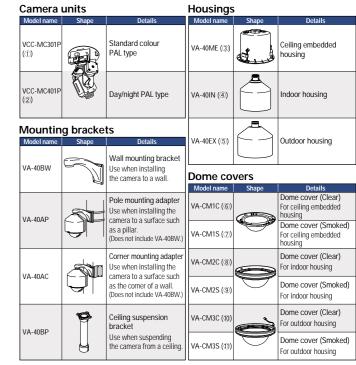
Component codes displayed in model number system

Dome cover type Scanning system Housing type VCC-9000 PAL system 9100 ndoor

Model Configurations

Model neme	Comercinit - Hersing - Dome cover	
Model name	Camera unit + Housing + Dome cover	
VCC-9000EBCP	VCC-MC301P (①) + VA-40ME (③) + VA-CM1C (⑥)	
VCC-9000EBSP	VCC-MC301P (①) + VA-40ME (③) + VA-CM1S (⑦)	
VCC-9100EBCP	VCC-MC401P (②) + VA-40ME (③) + VA-CM1C (⑥)	
VCC-9100EBSP	VCC-MC401P (②) + VA-40ME (③) + VA-CM1S (⑦)	
VCC-9000INCP	VCC-MC301P (①) + VA-40IN (④) + VA-CM2C (⑧)	
VCC-9000INSP	VCC-MC301P (①) + VA-40IN (④) + VA-CM2S (⑨)	
VCC-9100INCP	VCC-MC401P (②) + VA-40IN (④) + VA-CM2C (⑧)	
VCC-9100INSP	VCC-MC401P (②) + VA-40IN (④) + VA-CM2S (⑨)	
VCC-9000EXCP	VCC-MC301P (①) + VA-40EX (⑤) + VA-CM3C (⑩)	
VCC-9000EXSP	VCC-MC301P (1) + VA-40EX (5) + VA-CM3S (1)	
VCC-9100EXCP	VCC-MC401P (②) + VA-40EX (⑤) + VA-CM3C (⑩)	
VCC-9100EXSP	VCC-MC401P (②) + VA-40EX (⑤) + VA-CM3S (⑪)	
Note: Please feel free to consult your local SANYO supplier regarding the optimal		

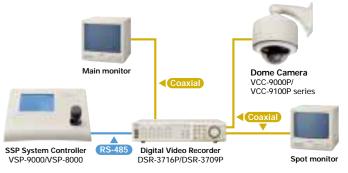
combination of components for your surveillance and security camera needs.



Greater System Flexibility with Coax and Twisted-pair Control

SSP Control System

The VCC-9000P/VCC-9100P series can be programmed and controlled via SANYO's Security Serial Protocol (SSP), a communications method for interfacing between various components of a security video system, using different transmission media to lend greater flexibility to the configuration of surveillance and monitoring systems. These cameras can thus be effectively integrated into systems for desktop control using next-generation or existing peripheral devices connected by coaxial and/or twisted pair cabling.



SSP Product Lineup

VCC-XZ400P DAY NIGHT

1-channel Digital Video Recorder

DSR-300P





4-channel Digital Video Recorder

DSR-M814P



Auto Focus Zoom Camera

VCC-ZM300PA

VCC-ZM400P DAY NIGHT

DSR-M810P







VSP-CB10







VSP-8000





