

Think GAIA  
For Life and the Earth

**SANYO**

## 1/4" Color CCD Indoor Mini Dome Camera

VCC-9685VP PAL

- Super-high resolution of 540 TV lines (typical)
- Built-in varifocal lens with auto iris (F 0.95 to 1.7, f=2.8 to 8.0 mm)
- High sensitivity & minimum illumination of 0.2 lx at 20 IRE
- Manual pan/tilt/rotation mechanism
- Twisted pair board VA-10T for NVT built-in UTP video (option)



Super-High Resolution  
**540-TV**L

# VCC-9685VP

## Features

### • 540 TV Line Resolution

Featuring SANYO's DSP circuitry and a high performance 1/4-inch CCD for horizontal resolution of more than 540 TV lines and superior color reproduction. Sharp, crisp images are delivered for greater precision in surveillance under a varied range of conditions.

### • Built-in Varifocal Type Auto-iris Lens

(F0.95 to 1.7, f = 2.8 to 8.0 mm)

### • High Sensitivity, Minimum Required Illumination

Minimum required illumination of 0.2 lx (20 IRE) or 0.5 lx (50 IRE) with F0.95 lens at high gain.

### • Mounts Easily on Both Walls and Ceilings



Manual Pan/Tilt	Ceiling	Wall
Panning range	200° (±100°)	180° (±90°)
Tilting range	0 to 90°	0 to 90°

### • Simplified Settings

Hardware switch	ON	OFF	
White balance switch	MWB	ATW	
Aperture compensation setting	SHARP	NORMAL	
Backlight compensation mode setting	MULTI	OFF	
	CENT	OFF	
Synchronizing system setting	Line Lock	Internal	
Electronic shutter	LSB	ON	OFF
	MSB	ON	OFF

### • Electronic Shutter Setting

LSB	ON	OFF	ON	OFF
MSB	ON	ON	OFF	OFF
	1/2000 sec.	1/1000 sec.	1/120 sec.	1/50 sec.

### • Intelligent Backlight Compensation

The VCC-9685VP features two selectable backlight compensation modes: multi-spot metering (applied to the whole screen) and center-zone metering (applied to the central portion only).

### • Built-in Electronic Shutter

A high-speed electronic shutter that is internally switchable for eight modes using a DIP switch allows adjustment increments from 1/50 to 1/2,000 sec.

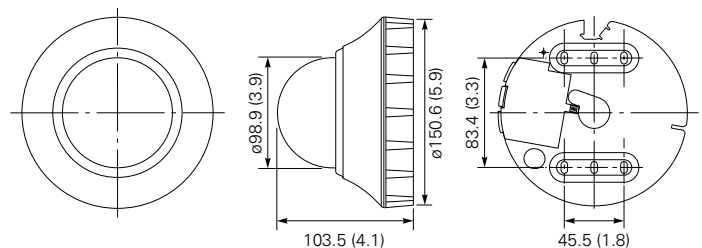
## Specifications

Model No.	VCC-9685VP	
Image sensor	1/4" Interline transfer method CCD	
Effective image sensor	752 (H) x 582 (V)	
Horizontal resolution	540 TV lines (typical)	
Lens	Built-in varifocal lens, f=2.8 to 8.0 mm (F0.95 to 1.7), Adjustable iris level, L to H - VR	
Panning range	Ceiling	Approx. 200 deg. (+/-100 deg.)
	Wall	Approx. 180 deg. (+/-90 deg.)
Tilting range	Ceiling	0 to 90 deg.
	Wall	0 to 90 deg.
Synchronizing system	Internal synchronization / Line lock Adjustable V-phase control	
Minimum illumination	20 IRE	0.2 lx (F0.95, Gain High)
	50 IRE	0.5 lx (F0.95, Gain High)
Video S/N ratio	More than 50 dB (AGC OFF)	
Backlight compensation	OFF/Center-zone metering/Multi-spot metering (High/Normal)	
Electronic shutter	1/50, 1/120, 1/1000, 1/2000 sec.	
White balance	ATW / MWB / Adjustable R/B control at MWB	
Aperture compensation	NORMAL / SHARP	
Monitor output	2-pin for maintenance	
Input/output	Video signal output, power supply cable (2 wires)	
Environmental condition	Temperature: -10 to +50°C (+14 to +122°F), Humidity: 90% RH	
Power requirement	12-15V DC / 24V AC ±10%, 50 Hz	
Power consumption	2.4 W	
Weight	500 g (1.1 lbs.)	
Dimensions (Dia. x H)	ø150.6 x 103.5 mm (ø5.9 x 4.1 in.)	

• Specifications subject to change without notice.

## Dimensions

Unit: mm (inch)



## Optional Accessories (Sold Separately)

In-Ceiling Mounting Bracket  
**VA-DK02**



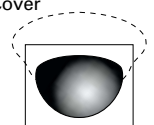
Bracket



Installation example

Smoked Type Dome Cover  
**VCZ-50**

Half-Mirrored Type  
Dome Cover  
**VCZ-51**



Twisted Pair Board  
**VA-10T**

Twisted pair terminal (CAT 5) for video signal: NVT built-in UTP video

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



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

Distributed by:

# SANYO

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