

# SANYO

## 1/3" Type B/W CCD Camera

- Highly sensitivity, minimum required illumination of 0.05 lx ( F1.2 lens)
- 400 TV lines of horizontal resolution
- Backlight compensation
- DC 12, AC 24 or AC 230 V power requirement according to model

**VCB-3442P** B/W  
CCIR

**VCB-3444P** B/W  
CCIR

**VCB-3440P** B/W  
CCIR



# VCB-3442P/ VCB-3444P/ VCB-3440P (CCIR)

## Specifications

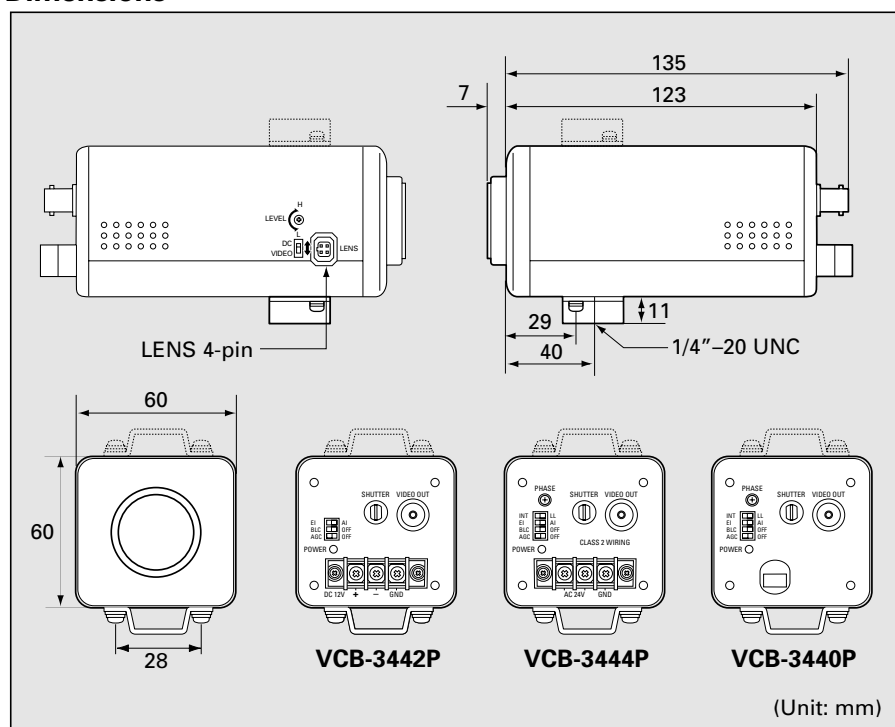
MODEL	VCB-3442P	VCB-3444P	VCB-3440P
Scanning system	CCIR standard 625 lines, 25 frames/sec, 2:1 interlace		
Image sensor	1/3" (approx. 4.8 x 3.6 mm) interline transfer method CCD		
Picture elements	Total: 542 (H) x 584 (V), Effective: 512 (H) x 582 (V)		
Horizontal resolution	400 TV lines		
Minimum illumination	Approx. 0.05 lx with F1.2 lens or approx. 0.07 lx with F1.4 lens		
Video output level	1.0 V (p-p) (75 $\Omega$ , composite)		
Video S/N ratio	More than 50 dB		
Backlight compensation	Center-zone light measurement, ON / OFF — Slide SW (rear)		
High-speed electronic shutter	8 modes: 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 sec		
Gain control	Auto gain control, ON / OFF — Slide SW (rear)		
Gamma correction	$\gamma = 0.45$ (fixed)		
Light control	Optical auto iris lens / Electronic iris (indoor use)		
Lens mount	CS mount		
Flange back	12.5 mm $\pm$ 0.8 mm adjustment		
Auto iris lens	DC / VIDEO — Slide SW (side)		
Auto iris output	DC: Drive coil (+,-), Brake (damp) coil (+,-) VIDEO: +DC 10 V (max. 50 mA), Video output (high impedance)		
Lens iris level	LEVEL: L - H — VR (side)		
Electronic iris	1/50 sec to 1/10,000 sec, ON / OFF — Slide SW (rear)		
Electronic iris range	0.07 lx to 42,000 lx (F1.4) or 0.05 lx to 30,000 lx (F1.2)		
Synchronizing system	Internal	Internal / Line lock	
V phase adjustment	—	LINE PHASE — VR (rear)	
Sockets	Video signal	VIDEO OUT — BNC (rear)	
	Power supply	DC 12 V, GND 3-pin terminal	AC 24 V, GND 3-pin terminal
	Auto iris lens	LENS — 4-pin (side)	
Environmental conditions	Operating	Temperature: -10°C to +50°C [+14°F to +122°F], Humidity: within 90% RH	
	Storage	Temperature: -20°C to +60°C [-4°F to +140°F], Humidity: within 70% RH	
Power requirement	DC 12 V	AC 24 V	AC 230 V
Power consumption (approx.)	4.3 W	4.0 W	To be announced
Camera mount	1/4"-20 UNC (top / bottom selectable)		
Dimensions (approx.)	60 (W) x 60 (H) x 130 (D) mm [2.4 (W) x 2.4 (H) x 5.1 (D) in] w/o lens		
Weight (approx.)	370 g [13.1 oz]	560 g [19.8 oz]	To be announced
Accessories	Lens cap, iris plug, hexagonal wrench, instruction manual, AC adaptor (weight: 480 g, output voltage: DC 12 V)	Lens cap, iris plug, hexagonal wrench, instruction manual	Lens cap, iris plug, hexagonal wrench, instruction manual,

Note: Specifications subject to change without notice.

## Features

- High immunity to shock and vibration with all solid-state components
- More than 400 TV lines of horizontal resolution
- High sensitivity with minimum required illumination of 0.05 lx (F1.2 lens)
- Equipped with backlight compensation
- Power supply applications of DC 12 V (VCB-3442P), AC 24 V (VCB-3444P) or AC 230 V (VCB-3440P)
- Electronic iris (indoor use)
- Internal sync / line lock sync with VCB-3444P and VCB-3440P
- Line lock phase (V) adjustable externally with VCB-3444P / VCB-3440P
- No interference from magnetic or electrostatic fields
- Aluminum metal chassis

## Dimensions



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

Distributed by:

# SANYO

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