

1/3" B/W CCD Camera

- Horizontal resolution of 570 TV lines
- Minimum required illumination of 0.07 lx (with F1.2 lens)
- Backlight compensation
- Dual power operation (24V AC, 60Hz / 12-15V DC)



VCB-3384 (EIA)



Backlight compensation OFF



Backlight compensation ON

Images demonstrating Backlight Compensation are simulations of on-screen monitoring with the VCB-3384.



VCB-3384

Features

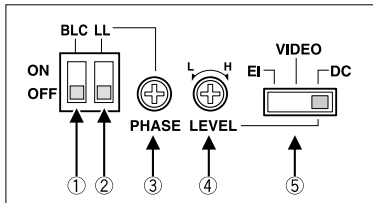
- 1/3" CCD image sensor with approx. 470,000 picture elements
- Horizontal resolution of 570 TV lines, S/N ratio of more than 50 dB.
- Backlight compensation (activated when auto iris lens is used)
- Minimum required illumination of 0.07 lx (with F1.2 lens)
- Electronic iris (indoor use)
- CS mount
- Flange back adjustable externally
- Versatile and extremely compact
- Metal enclosure
- No interference from magnetic or electrostatic fields
- Internal sync / Line lock (manual switching), External sync / (automatic switching)
- Dual power operation (24V AC, 60Hz / 12–15V DC)

Specifications

Model No.	VCB-3384
Scanning system	EIA standard 525 lines, 30 frames/sec
Image sensor	Interline transfer method CCD
Image size	1/3" (approx. 4.8 x 3.6 mm)
Picture elements	
Total	795 (H) x 596 (V)
Effective	752 (H) x 582 (V)
Unit (pixel) cell size	6.5 (H) x 6.25 (V) μm
Synchronizing system	Internal sync / Line lock (manual switching) / External sync (automatic switching)
External sync	VS: 1.0 Vp-p / 75 ohms
Interlace	PLL 2:1 interlace
Horizontal resolution	570 TV lines
Video output level	1.0 Vp-p (75 ohms, composite)
Video S/N ratio	More than 50 dB
Minimum illumination (approx.)	0.07 lx (with F1.2 lens)
Electronic iris	1/60–1/100,000 sec.
Backlight compensation	ON / OFF
Lens mount	CS mount
Flange back	12.5 mm ±0.5 mm adjustment
Camera mount	1/4"—20 UNC (top / bottom selectable)
Controls	
V phase adjustment	PHASE—VR (Side)
Lens iris level	LEVEL: L, H—VR (Side)
Auto iris lens	AI LENS: DC/VIDEO—Slide SW (Side)
Electronic iris	EI: ON/OFF—Slide SW (Side)
Backlight compensation	BLC: ON/OFF—Slide SW (Side)
Sockets	
Video signal	VIDEO OUT: BNC (Rear)
External sync	VS IN: BNC (Rear)
Auto iris lens	LENS: 4-pin (Side)
Power supply	3-pin terminal (Rear)
Light control	Electronic iris (indoor use) or optional auto iris lens
Auto iris output	DC: Drive coil (+, -), Brake (Damp) coil (+, -) VIDEO: +12V DC (Max. 50mA), Video signal (hi-Z), GND
Environmental conditions	
Storage	Temperature: -20°C to +70°C, Humidity: within 70% RH
Operating	Temperature: -10°C to +50°C, Humidity: within 90% RH
Power requirement	24V AC, 60Hz / 12–15V DC
Power consumption (approx.)	3.0 W
Dimensions (without lens, approx.)	57 (W) x 45 (H) x 121.8 (D) mm [2.2 (W) x 1.8 (H) x 4.8 (D) in.]
Weight (without lens, approx.)	245 g (0.5 lbs.)

NOTE: Specifications subject to change without notice.

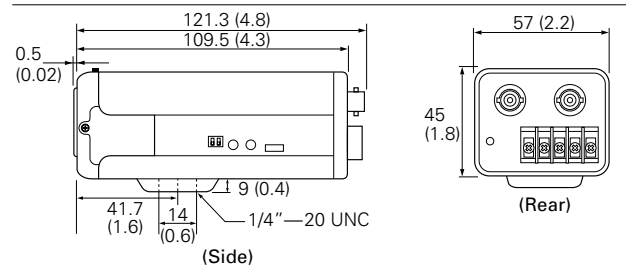
Camera Setting / Adjustment



- ① Backlight compensation (BLC)
- ② Sync (LL)
- ③ V phase (PHASE)
- ④ Lens iris (LEVEL)
- ⑤ Auto iris lens (EI, VIDEO, DC)

External dimensions

[Unit: mm (inch)]



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

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

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