

SANYO

1/3" B/W CCD High-sensitivity Camera

- 400 TV lines of horizontal resolution
- Minimum illumination of 0.05 lx with F1.2 lens
- Backlight compensation
- 24V AC / 12 to 15 V DC, dual power operation

VCB-3454 B/W EIA



Minimum illumination



A clear image can be seen even in near-darkness

High-sensitivity 0.05 lx

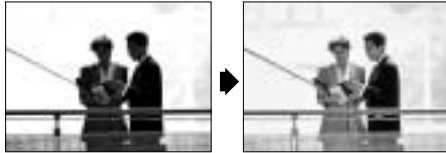
Shown with optional lens

Photos on this sheet not taken by model VCB-3454.

Features

- 1/3" CCD image sensor with approx. 270,000 picture elements
- Horizontal resolution of 400 TV lines, S/N ratio of more than 50 dB.
- Backlight compensation

The brightness of the central area of the picture frame is measured, and by automatic adjustment of the lens aperture a clear and sharp image is possible even when the subject is backlit.



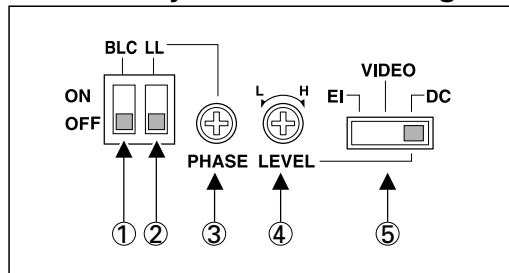
- Minimum required illumination of 0.05 lx (F1.2 lens)
- Electronic iris (indoor use)
- Internal sync / Line lock, manual switching
- CS mount
- Flange back adjustable externally
- 24V AC and 12 to 15 V DC dual power operation

Specifications

MODEL	VCB-3454
Scanning system	EIA standard 525 lines, 30 frames/sec.
Image sensor	1/3" (approx. 4.8 mm x 3.6 mm) interline transfer method CCD
Picture elements (Effective)	510(H) x 492(V)
Horizontal resolution	400 TV lines
Minimum illumination (approx.)	0.05 lx with F1.2 lens
Video output level	1.0 V (p-p) (75 Ω, composite)
Video S/N ratio	More than 50 dB
Backlight compensation	ON / OFF — Slide SW (side)
Gain control	Automatic
Light control	Optical auto iris lens / Electronic iris (indoor use)
Lens mount	CS mount
Flange back	12.5 mm ±0.5 mm adjustment
Auto iris lens	EI / VIDEO / DC — Slide SW (side)
Auto iris output	DC: Brake coil: (+, -), Drive coil: (+, -) Video: +10 V DC (50 mA max.), video signal (hi-Z), GND
Lens iris level	LEVEL: L to H — VR (side)
Electronic iris	1/60 sec to 1/100,000 sec
Electronic iris range	0.05 lx to 30,000 lx (F1.2)
Synchronising system	Internal sync. / Line lock — Slide SW (side)
V phase adjustment	LINE PHASE — VR (side)
Sockets	Video signal VIDEO OUT — BNC (rear) Auto iris lens LENS — 4-pin (side) Power supply 24 V AC, GND — 3-pin terminal (rear) 12 V DC — 2-pin terminal (rear)
Environmental conditions	Operating Temperature: -10°C to 50°C [14°F to 122°F], Humidity: within 90% RH Storage Temperature: -20°C to 70°C [-4°F to 158°F], Humidity: within 70% RH
Power requirement	24 V AC, 60 Hz or 12 to 15 V DC
Power consumption (approx.)	3.0 W
Camera mount	1/4"-20UNC (top / bottom selectable)
Dimensions (approx.)	57(W) x 45(H) x 109.5(D) mm [2.2(W) x 1.8(H) x 4.3(D) in.] (without camera & lens mounts)
Weight (approx.)	245 g [8.6 oz.] (without lens)

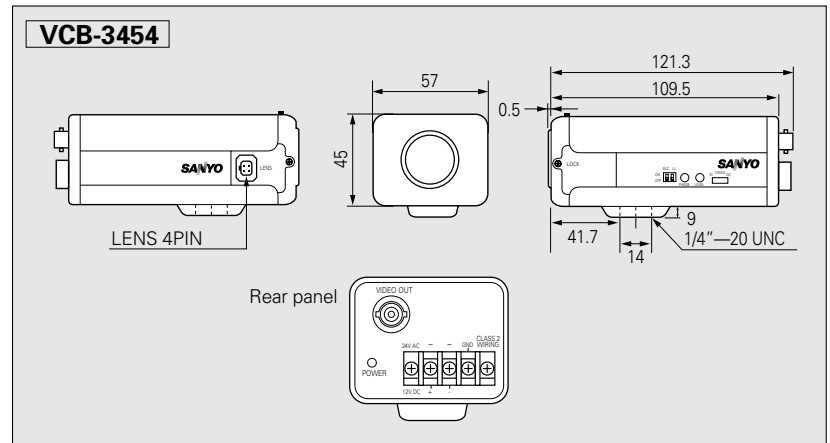
NOTE: Specifications subject to change without notice

Camera adjustments / settings



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

Dimensions



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 ISO9001 and Environmental Management System ISO14001 certifications.

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