

1/3" B/W CCD Cameras

- High Resolution: 570 horizontal TV Lines
- Minimum Illumination: 0.07 lx (F1.2 lens, 50 IRE)
- Outline Compensation (SHARP / NORMAL)
- Backlight Compensation
- Power supply 220–240V AC operation (VCB-3380P)
- Dual Power Operation (12–15V DC / 24V AC) (VCB-3385P)



VCB-3380P^(CCIR) VCB-3385P^(CCIR)

Outline Compensation



Emphasizes object outlines
(Outline Compensation: ON)



Normal setting
(Outline Compensation: OFF)

Images demonstrating Outline Compensation are simulations of on-screen monitoring with VCB-3380/3385P cameras.



VCB-3380P / VCB-3385P

Features

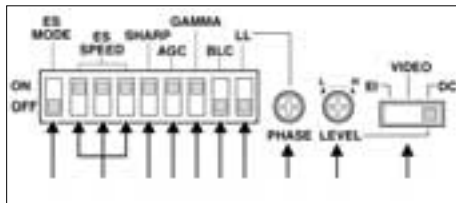
- 1/3" CCD image sensor with approx. 470,000 picture elements (total)
- Horizontal resolution of 570 TV lines, S/N ratio of 50 dB min.
- Outline compensation (SHARP / NORMAL)
- Backlight compensation (activated when auto iris lens is used)
- Minimum required illumination of 0.07 lx (F1.2 lens, 50 IRE)
- High speed electronic shutter: 1/50–1/100,000 sec.
- Electronic iris (indoor use)
- CS mount
- Flange back adjustable externally
- Versatile and extremely compact in size
- Metal enclosure
- No interference from magnetic or electrostatic fields
- Internal sync / Line lock, manual switching (VCB-3380P)
- Internal sync / Line lock, manual switching, External sync / Line lock, automatic switching (VCB-3385P)
- Dual Power Operation (12-15V DC / 24V AC) (VCB-3385P)

Specifications

| Model No. | VCB-3380P | VCB-3385P |
|--------------------------------|---|---|
| Scanning system | CCIR standard 625 lines, 25 frames/sec | |
| Image sensor | Interline transfer method CCD | |
| Image size | 1/3" (approx. 4.8mm x 3.6mm) | |
| 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) | 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 50dB | |
| Minimum illumination (approx.) | 0.07 lx (with F1.2 lens, 50 IRE) | |
| Electronic shutter | 1/50–1/100,000 sec. | |
| Backlight compensation | Set to "ON" or "OFF" | |
| Lens mount | CS mount | |
| Flange back | 12.5mm ±0.5mm adjustment | |
| Camera mount | 1/4"—20 UNC (top / bottom selectable) | |
| Controls | V phase adjustment | LINE PHASE — VR (Side) |
| | Lens iris level | LEVEL: L, H —VR (Side) |
| | Auto iris lens | AI LENS: DC/VIDEO —Slide SW (Side) |
| | Electronic iris/ Backlight compensation | EI: ON/OFF —Slide SW (Side) BLC: ON/OFF —Slide SW (Side) |
| | Electronic shutter | 3-setting, DIP switches (Side) [OFF = 1/50, 1/120, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000] |
| | Sockets | VIDEO signal: VIDEO OUT: BNC |
| Auto iris lens | LENS: 4-pin (Side) | |
| Power supply | Power cord | 3-pin terminal |
| 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 | 220–240V AC, 50Hz | 24V AC, 50Hz / 12–15V DC |
| Power consumption (approx.) | 3.5W | 3.0W |
| Dimensions (w/o 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 (w/o lens, approx.) | 490g (1.1 lb.) | 245g (0.5 lb.) |

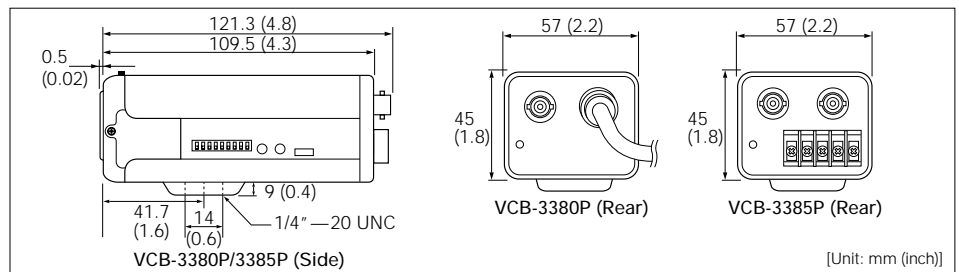
NOTE: Specifications subject to change without notice.

Camera Adjustment / Setting



- Electronic shutter mood (ES mode)
- Electronic shutter speed (ES mode)
- Outline compensation (SHARP)
- Gain control (AGC)
- Gamma compensation (GAMMA)
- Backlight compensation (BLC)
- Sync setting (LL)
- Line phase (PHASE)
- Lens iris (LEVEL)
- Lens switching

External dimensions



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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