

SANYO

1/3" Colour CCD DSP Day/Night Cameras

- Super-high horizontal resolution of 520 TV lines
- High sensitivity — minimum illumination of 0.45 lx (F1.2, colour mode) or 0.01 lx (F1.2 B/W mode)
- Two types of backlight compensation: Multi-spot and centre-zone metering
- 24V AC and 12 to 15V DC dual power operation (VCC-4795P)
- 220 to 230V AC, 50Hz operation (VCC-4790P)

VCC-4790P Colour PAL
VCC-4795P Colour PAL

DIGITAL
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520 TVL
Super-High Resolution

0.01 lux
High Sensitivity



Made in Japan

The products introduced here are manufactured in Japan utilizing advanced technologies and quality control.

Lenses sold separately.

VCC-4790P/4795P

A two-in-one solution: a colour camera during the day, a high-sensitivity B/W camera during the night

A colour camera, which captures objects in vivid colours in day-light, becomes a high-sensitivity B/W camera during the night and provides tiny details even in dark corners. A day/night camera is a two-in-one solution.

Main Features

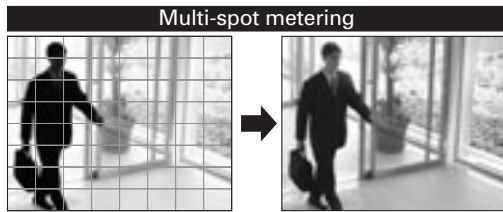
- 1/3-inch CCD image sensor with approx. 470,000 picture elements
- Super-high horizontal resolution of 520 TV lines
- Higher sensitivity and lower smear effect than that of previous models:

Minimum illumination (F1.2 lens, 50IRE)	B/W mode	Colour mode
VCC-4790P/VCC-4795P	0.01 lx	0.45 lx
Previous models (VCC-4592P/4594P)	0.03 lx	0.6 lx

- New, built-in DSP (digital signal processing) circuitry delivers superior colour reproduction and reduced noise.
- The camera's sensitivity to exposed light allows it to automatically switch from colour to B/W mode.
- Two types of backlight compensation selectable.

Multi-spot metering system:

Luminance is measured in 64 separate areas for optimum backlight compensation even for peripheral and moving objects; features selectable normal and high modes.



Centre-zone metering system:

Luminance measured at centre and automatic lens aperture adjustment enable a clear image even when backlit.

Other Features

- Auto-tracing or manual white balance selectable (Slide SW)
- Built-in high-speed electronic shutter
- Internal synchronisation, line-lock capability
- Built-in electronic iris for indoor use

Specifications

Model No.	VCC-4790P	VCC-4795P
Scanning system	PAL standard 625 lines, 50 fields/sec.	
Image sensor	1/3" (approx. 4.8 mm x 3.6 mm) interline transfer method CCD	
Number of pixels	Total: 795 (H) x 596 (V), Effective: 752 (H) x 582 (V)	
Horizontal resolution	More than 520 TV lines	
Minimum illumination (approx.)	50IRE 0.01 lx (F1.2, Gain High, B/W mode) / 0.45 lx (F1.2, Gain High, colour mode)	20IRE 0.004 lx (F1.2, Gain High, B/W mode) / 0.18 lx (F1.2, Gain High, colour mode)
Video output	1.0 V (p-p)/75 ohms, composite	
Video S/N ratio	More than 50 dB (AGC off)	
Backlight compensation	ON / OFF — Slide SW (side) ON = Multi-spot metering (64-section) / Centre-zone metering — (activated when auto iris lens used)	
White balance	ATW / Manual — Slide SW (side)	
Gain control	Normal / High — Slide SW (side)	
Gamma	$\gamma = 0.45$	
Light control	Optical auto iris lens / Electronic iris (indoor use)	
Lens mount	CS mount (C mount: using C-mount adaptor supplied)	
Flange back	12.5 mm \pm 0.5 mm adjustment	
Auto iris lens	DC only	
Auto iris output	DC: Drive coil (+, -), Brake (Damp) coil (+, -)	
Lens iris level	LEVEL: L to H — VR (side)	
Electronic iris range	0.6 lx to 30,000 lx (F1.2 lens: colour mode), 0.9 lx to 45,000 lx (F1.4 lens: colour mode)	
Electronic shutter	1/50, 1/120, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	
Aperture compensation	Sharp / Normal	
Synchronizing system	Internal sync / Line-lock	
Day/Night mode	Auto (High/Low), Manual (at control terminal)	
Terminals	Video signal VIDEO OUT — BNC	
Auto iris lens	LENS — 4-pin (side)	
Power supply	220 to 230V AC, 50 Hz	24V AC, GND — 3-pin terminal (rear) 12V DC, NC — 3-pin terminal (rear)
Control	B, C, G — 3-pin terminal (rear)	
Environmental conditions	Operating Temperature: -10 to +50°C (+14 to +122°F), Humidity: within 90% RH Storage Temperature: -20 to +70°C (-4 to +158°F), Humidity: within 70% RH	
Power supply	220 to 230V AC, 50 Hz	12 to 15V DC / 24V AC \pm 10%, 50Hz
Power consumption (approx.)	3.6 W	3.7 W
Camera mount	1/4" — 20 UNC (top / bottom selectable)	
Dimensions (approx.)*	67 (W) x 54 (H) x 128 (D) mm [2.64 (W) x 2.13 (H) x 6.04 (D) in]	
Weight (approx.)	600 g (without lens)	400 g (without lens)

* Excluding protrusions

NOTE: Specifications subject to change without notice.

Controls and Dimensions

1 Power indicator

2 Video output connector

3 24V AC/12V DC input terminals (VCC-4795P)

4 Control [C, B, G]* (3 pin)

5 Line phase dial

6 Electronic shutter speed setting

7 EI setting (for indoor use)

8 Day/Night function switchover point

9 Auto gain control (AGC)

10 Aperture compensation

11 Backlight compensation

12 White balance (colour compensation)

13 Sync setting

14 Lens iris level adjustment

*Colour, black and white, and ground terminals.

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.

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