

Think GAIA
For Life and the Earth

SANYO

1/3" Colour CCD DSP Day/Night Cameras

VCC-4790P E PAL

VCC-4795P E PAL

- Super-high horizontal resolution of 540 TV lines (typical)
- 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 E)
- 220 to 230V AC, 50Hz operation (VCC-4790P E)

DIGITAL



0.01 lux
High Sensitivity

Super-High Resolution
540-TVL

VCC-4790P E / 4795P E

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

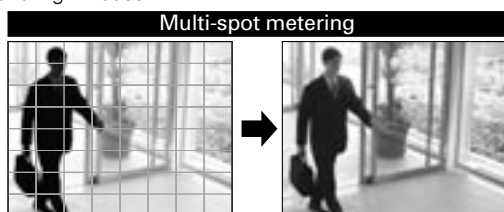
- 1/3-inch CCD image sensor with approx. 470,000 picture elements
- Super-high horizontal resolution of 540 TV lines (typical)
- Higher sensitivity and lower smear effect than that of previous models:

Minimum illumination (F1.2 lens, 50IRE)	B/W mode	Colour mode
VCC-4790P E / VCC-4795P E	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

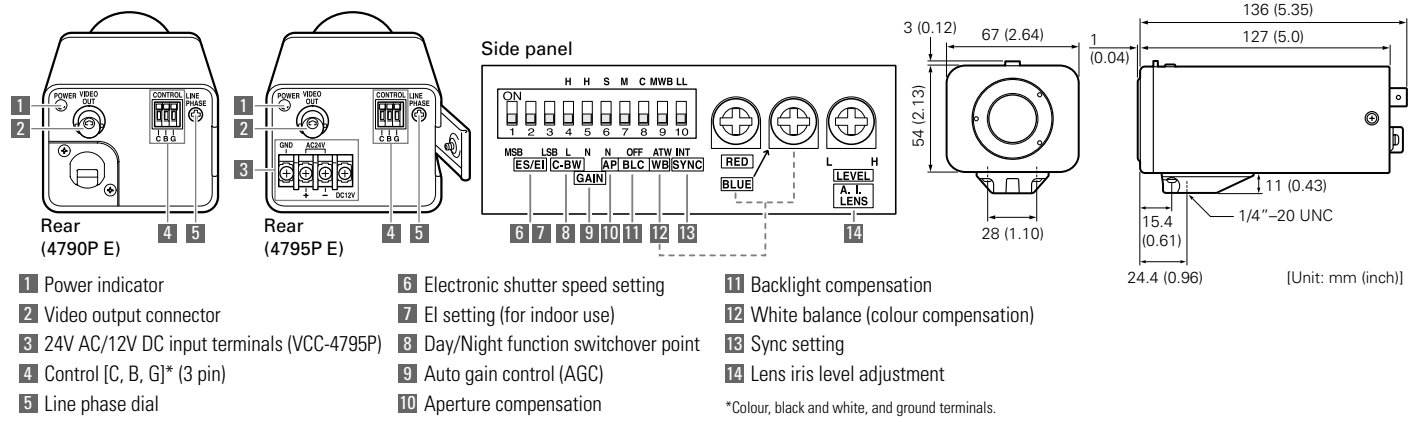
Specifications

Model No.	VCC-4790P E	VCC-4795P E
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	540 TV lines (typical)	
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	γ = 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 ± 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 Auto iris lens Power supply Control	VIDEO OUT — BNC LENS — 4-pin (side) 220 to 230V AC, 50 Hz 24V AC, GND — 3-pin terminal (rear) 12V DC, NC — 3-pin terminal (rear) 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 ±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 5.04 (D) in]	
Weight (approx.)	600 g (without lens)	400 g (without lens)

* Excluding protrusions

NOTE: Specifications subject to change without notice.

Controls and Dimensions



*Colour, black and white, and ground terminals.



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

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