

VCC-4790P E
VCC-4795P E



1/3" Color CCD DSP Day/Night Cameras

- Super high resolution of 540 TV lines (typical)
- High sensitivity – minimum illumination of 0.45 lx (F 1.2, color mode) or 0.01 lx (F 1.2 B/W mode)
- Two types of backlight compensation: multi-spot and centre-zone metering
- Built-in high speed electronic shutter
- Internal synchronisation, line-lock capability
- Built-in electronic iris for indoor use
- 24 V AC and 12 to 15 V DC dual power operation (VCC-4795P E)
- 220 to 230 V AC, 50 Hz operation (VCC-4790P E)
- 4 years warranty on cameras (1 year on movable parts)

VCC-4790P E | VCC-4795P E

TECHNICAL DATA		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 (F 1.2, Gain High, B/W mode)/0.45 lx (F 1.2, Gain High, color mode)	
	20IRE	0.004 lx (F 1.2, Gain High, B/W mode)/0.18 lx (F 1.2, Gain High, color 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		0.45	
Light control		Optical auto iris/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 (F 1.2 lens: color mode), 0.9 lx to 45,000 lx (F 1.4 lens: color mode)	
Electronic shutter		1/50, 1/120, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000	
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 230 V AC, 50 Hz	24 V AC, GND – 3-pin terminal (rear) 12 V DC, NC – 3-pin terminal (rear)
	Control	B, C, G – 3-pin terminal (rear)	
Environmental conditions	Operating	Temperature: –10 to +50 °C, Humidity: within 90% RH	
	Storage	Temperature: –20 to +70 °C, Humidity: within 70% RH	
Power supply		220 to 230 V AC, 50 Hz	12 to 15 V DC/24 V AC ±10%, 50 Hz
Power consumption		3.6 W	3.7 W
Camera mount		1/4" – 20 UNC (top/bottom selectable)	
Dimensions (W x H x D)*		67 x 54 x 128 mm	
Weight		600 g (without lens)	

* Excluding protrusions

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.

(Unit: mm)