



# SERVICE MANUAL

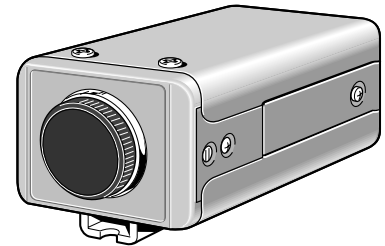
## COLOUR CCD Camera

### SPECIFICATIONS

**Scanning system** : PAL standard (625 TV lines, 25 frames/sec.)  
**Interface** : PLL 2:1 interlace  
**Image device** : 1/3 inch solid state image device CCD  
**Picture elements** : 795 (Horizontal) x 596 (Vertical)  
**Effective picture elements** : 752 (Horizontal) x 582 (Vertical)  
**Synchronizing system** : Internal sync, Line lock manually switchable  
**Resolution** : 520 TV lines horizontally, 400 TV lines vertically  
**Video output level** : 1.0 Vp-p/75 Ω, composite  
**Video S/N ratio** : More than 48 dB  
**Minimum required illumination** : Approx. 0.3 lux with a F 1.2 lens (AGC, HI)  
**(incandescent lighting)** : Approx. 0.6 lux with a F 1.2 lens (AGC, NORM)  
**Backlight compensation** : Manual MULT/CENT/OFF switching  
 (Active when using an auto-iris lens)  
**Iris function** : AI/EI selectable by switches (Electronic shutter)  
**Electronic iris range** : 0.6 lux to 50,000 lux (F1.2, lens)  
**Electric shutter** : 7 speeds, selectable by switches: (1/50, 1/120, 1/500,  
 1/1000, 1/2000, 1/4000, 1/10000 sec.)  
**Flange-back** : 12.5 mm ± 0.5 mm  
**White balance** : ATW/Manual switching  
**Lens mount** : CS mount  
**AGC** : HI/NORM  
**Environmental conditions** : Temperature: -10 °C ~ + 50 °C  
 Humidity: less than 90 % (no condensation)  
**Power supply** : 24 V AC, 50 Hz  
**Power consumption** : Approx. 2.8 W (with auto iris lens)  
 Approx. 2.1 W (without auto iris lens)  
**Weight** : Approx. 310 g (without lens)  
**Dimensions** : 56 (W) mm x 45 (H) mm x 109 (D) mm

## VCC-6594P

(Product Code : 117 108 04)  
 (South East Asia)  
 (Europe)



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SCHEMATIC DIAGRAM

### PRODUCT SAFETY NOTICE

The components designated by a symbol ( ) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the Parts List. Do not deviate from the resistance, wattage, and voltage ratings shown.

- NOTE : 1. Parts order must contain model number, part number, and description.  
 2. Substitute parts may be supplied as the service parts.  
 3. N. S. P. : Not available as service parts.

Design and specification are subject to change without notice.