



## 1/3" CCD Image Sensor High-Resolution—520 TV Lines Color Camera

- High-Resolution Technology 520 Lines of Horizontal Resolution
- 1/3" CCD Image Sensor Approx. 410,000 Picture Elements
- Digital Signal Processing (DSP) Circuit
- 2 Mode Back Light Compensation
- High Sensitivity, Minimum Required Illumination 1.4 Lux @ f1.2
- Internal/Line Lock Sync.
- Power Supply 24V AC

VCC-6574



**Digital  
Signal Processing  
Circuit**

Shown with An Optional Lens



# VCC-6574

1/3" CCD Image Sensor  
High-Resolution—520 TV  
Lines Color Camera

## Main Features

- High-Resolution Technology 520 Lines of Horizontal Resolution
- Digital Signal Processing (DSP) allows better picture quality
- High Sensitivity, Minimum Required Illumination 1.4 Lux @ f1.2
- Built-In Interline Transfer Method 1/3" CCD, Approx. 410,000 Picture Elements
- 2 Mode Back Light Compensation
- Both DC and Video type Auto Iris Lenses Applicable
- Internal/Line Lock Sync.
- Electronic Iris Function
- External Adjustment for Mechanical Focus Position
- CS Type Lens Mount
- TTL Auto-White Balance, Auto-Tracking System
- Operates on 24V AC
- No Interference from Magnetic or Electrostatic Fields
- Built-In Anti-Ground Loop Isolation Transformer

## Specifications

	VCC-6574
Scanning System	NTSC Standard: 525 lines, 30 Frames/Sec: 2:1 Interlace
Image Device	Interline Transfer CCD
Image Size	1/3" (Approx. 4.8mm x 3.6mm)
Picture Element	811 X 508 (V) picture elements 768 (H) X 494 (V) effective picture elements
Unit (Pixel) Cell Size	6.35 (H) x 7.4 (V) $\mu$ m
Geometry	No Geometric distortion
Synchronizing System	Internal/Line Lock Synchronization
Interlace	PLL 2:1 Interlace
Resolution	Horizontal 520TV lines Vertical 350TV lines
Video output level	1.0 Vp-p @ 75 ohms composite
Video S/N ratio	More than 48db
Minimum illumination (Incandescent Lighting)	1.4 lux @ F1.2
Gamma Correction	0.45
Gain Control (AGC)	Automatic
White Balance	ATW/Manual
Backlight Compensation	ON/OFF, Manual Switching, 2 Mode Setting: Center Zone Light Measuring & Multi Zone Light Measuring
Lens Mount	CS Mount
Flange Back Adjustment	12.5mm $\pm$ 0.5mm
Camera Mount	1/4" 20 UNC (top/bottom selectable)
Controls	Auto Iris Lens AI LENS:DC/VIDEO Slide Sw. (Side) Electronic Iris/Auto Iris EI/AI Slide Sw. (Side) Electronic Shutter ES: ON/OFF Slide Sw. (Side) Backlight Compensation BLC: ON/OFF Slide Sw. (Side) Internal/Line Lock SYNC: INT/L-L Slide Sw. (Side) White Balance ATW & Manual Slide Sw. (Side)
Sockets	Video VIDEO OUT BNC. (Rear) Auto Iris Lens LENS OUT 4-pin (Side) Power Supply 24V AC, GND 3-pin term. (Rear)
Electronic Iris Range	ON/OFF 1/60-1/100,000 Sec
Environmental Conditions	Operating: Temperature -10 degree C to + 50 degree C Humidity: Within 90% RH Storage: Temperature -20degree C to + 70 degree C Humidity: Within 70% RH
Power Indicator	LED
Power Requirement	24V AC, 60Hz
Power Consumption	TBA
Dimensions (W x H x D)	2.2 x 1.8 x 3.9 inches (56 x 45 x 99.5mm) (Without lens mount and camera mount)
Weight	TBA

Specifications and product design are subject to change without notice.  
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