

SANYO

1/3" B/W CCD Camera with High-Resolution Picture

- 1/3 Inch CCD Image Sensor.
(Approx. 410,000 Pixels)
- High-Resolution Picture.
580 Lines of Resolution.
- Minimum Light Requirement:
0.1 Lux @ f1.2 Lens.
- Line-Locked/Ext. Sync.
PLL 2:1 Interlace.
- C/CS Mount (Adaptor Included).

V C B - 3 3 7 4



Shown with an optional lens

VCB-3374

Features

- 1/3" CCD image sensor with approx. 410,000 picture elements.
- High Sensitivity, minimum required illumination is 0.1 Lux @ f1.2 Lens. (Incandescent Lighting)
- High-Resolution. More than 580 Lines of Horizontal Resolution.
- Equipped with Electronic Iris.
- Backlight Compensation.
- Line Lock/External Sync. (VS) (75 Ohms/High Impedance, Selectable Internally)
- Line Lock Phase (V) adjustable externally.
- C/CS Mount. (C-Mount adaptor supplied)
- Flange-Back adjustable externally.
- Built-In Auto Iris Level control circuit for DC type Auto Iris lens.
- Both DC type and VIDEO type Auto Iris lenses applicable.
- 24V AC operation.
- Versatile use and very compact.
- Metal cabinet.
- Low power consumption and quick start.
- No interference from magnetic or electrostatic fields.
- Built-In Anti-Ground loop Isolation Transformer.

Sanyo Auto-Iris Lenses:

VCL-CS2LY - 2.8 x f1.3
 VCL-CS4LY - 4.0 x f1.2
 VCL-CS8LY - 8.0 x f1.2
 For best results, use the above lenses or equal.

Specifications

MODEL	VCB-3374		
Scanning System	EIA Standard: 525 lines, 30 frames/sec.		
Image Device	Interline Transfer Method CCD		
Image Size	1/3" (Approx. 4.8mm x 3.6mm)		
Picture Element	811 (H) x 508 (V): All Picture Elements 768 (H) x 494 (V): Effective Picture Elements		
Optical Black Element	Horizontal: 3: in front, 40: in back Vertical :12: in front, 2: in back		
Unit (Pixel) Cell Size	6.35 (H) x 7.4 (V) μ m		
Geometry	No Geometric Distortion		
Synchronizing System	Line Lock/External Synchronization (Automatic Switching)		
External Sync.	VS (Composite Video Signal) 1.0V p-p/75 Ohms		
Interlace	PLL 2:1 Interlace		
Resolution	Horizontal: 580 TV Lines Vertical: 350 TV Lines		
Video Output Level	1.0 Vp-p (75 Ohms, Composite)		
Video S/N Level	More than 50 dB		
Minimum Illumination (Incandescent Lighting)	Scene : 0.1 Lux @ f1.2 Lens, (0.14 Lux @ f1.4 Lens) Imager: 0.015 Lux		
Gamma Correction	0.45 Fixed		
Gain Control (AGC)	ON/OFF Manual Switching		
Backlight Compensation	ON/OFF, Manual Switching, Center Zone Light measuring system.		
Lens Mount	C/CS Mount. (C-Mount: using C-Mount adaptor supplied)		
Flange Back Adjustment	12.5mm \pm 0.8mm		
Camera Mount	1/4" - 20 UNC x 2 (Top/Bottom)		
Controls	V Phase Adjust.	Line Phase	VR (Rear)
	Lens Iris Level	Level: L, H	VR (Side)
	Auto Iris Lens	A.I. Lens: DC/Video	Slide Sw. (Side)
	Electronic Iris	E.I.: ON/OFF	Slide Sw. (Side)
	Backlight Compensation	BLC: ON/OFF	Slide Sw. (Side)
Socket	Video	Video Out	BNC
	External Sync.	VS In	BNC
	Auto Iris Lens	Lens Out	4-pin (Side)
	Power Supply	24V AC, GND	3-pin Terminal
Electronic Iris Range	0.1 Lux to 26,000 Lux	f1.2 Lens	
	0.14 Lux to 34,000 Lux	f1.4 Lens	
Light Control	Electronic Iris or optional Auto Iris Lens		
Auto Iris Output and Connections	DC: Iris Control Coil Only Type Lens (Galvanometric Iris Without Amplifier Type)		
	Drive Coil (+,-), Brake (Damp) Coil (+, -) Socket Pin No. 1 Brake Coil - Socket Pin No. 2 Brake Coil + Socket Pin No. 3 Drive Coil + Socket Pin No. 4 Drive Coil -		
Environmental Conditions	VIDEO: DC Power & Video Signal Supply Auto-Iris Type Lens (With Amplifier Type)		
	+12V DC (Max. 50mA), Video (High Impedance), Ground Socket Pin No. 1 +12V DC Socket Pin No. 2 NC Socket Pin No. 3 Video (1.0 Vp-p) Socket Pin No. 4 Ground (for Power)		
Power Indicator	LED		
Power Requirement	24V AC (\pm 4V), 60Hz.		
Power Consumption	Approx. 3.2W (w/o Auto-Iris Lens)		
Dimensions (W x H x D)	2.2 x 1.77 x 3.92 inches (56 x 45 x 99.5 mm) (w/o lens mount and camera mount)		
Weight	0.73 Lbs. (330g)		

Specifications subject to change without notice.
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