

# SANYO

## 1/3" High Resolution B/W CCD Camera

- 1/3-Inch CCD Image Sensor  
(Approximately 410,000 Pixels)
- High-Resolution Picture.  
570 Lines of Resolution
- Minimum Light Requirement:  
0.07 Lux @ F1.2
- External Sync,  
Internal Sync/Line Lock

V C B - 3 3 8 4



(Shown with an Optional Lens)

## Features

- 1/3-Inch CCD Image Sensor, with approx. 410,000 picture elements.
- High Sensitivity, minimum required illumination is 0.07 Lux @ F1.2 Lens. (Incandescent lighting)
- High-Resolution. More than 570 Lines of Horizontal Resolution.
- Equipped with Electronic Iris.
- Backlight Compensation.
- External Sync. (VS) (75 Ohms/High Impedance, Selectable Internally)
- Line Lock/Internal Sync
- CS Mount Lens Compatible
- 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.
- 12V DC/24V AC operation.
- Versatile use and very compact.
- Metal cabinet.
- Low power consumption and quick start.
- No interference from magnetic or electrostatic field.
- Built-In Anti-Ground loop Isolation Transformer.

## Specifications

<b>MODEL</b>	<b>VCB-3384</b>		
<b>Scanning System</b>	EIA Standard: 525 lines, 30 Frames/Sec		
<b>Image Device</b>	Interline Transfer Method CCD		
<b>Image Size</b>	1/3" (Approx. 4.8mm x 3.6mm)		
<b>Picture Element</b>	811 (H) x 508 (V): All Picture Elements 768 (H) x 494 (V): Effective Picture Elements		
<b>Synchronizing System</b>	Line Lock/Internal Synchronization (Manually Switched)/External		
<b>External Sync.</b>	1.0V p-p/75 Ohms		
<b>Interlace</b>	Automatic PLL 2:1 Interlace		
<b>Resolution</b>	Horizontal: 570 TV Lines		
<b>Video Output Level</b>	1.0 Vp-p (75 Ohms, Composite)		
<b>Video S/N Level</b>	More than 50 dB		
<b>Minimum Illumination (Incandescent Lighting)</b>	Scene: 0.07 Lux @ F1.2 Lens		
<b>Gamma Correction</b>	0.45 Fixed		
<b>Backlight Compensation</b>	ON/OFF, Manual Switching, Center Zone Light-Measuring System		
<b>Lens Mount</b>	CS Mount		
<b>Flange-Back Adjustment</b>	12.5mm ±0.5mm		
<b>Camera Mount</b>	1/4" - 20 UNC x 2 (Top/Bottom)		
<b>Control</b>	V Phase Adjust.	Line Phase	VR (Rear)
	Lens Iris Level	Level: L,H	VR (Side)
	Lens Type	E.I./DC/Video	Slide Sw. (Side)
	Backlight Compensation	BLC: ON/OFF	Dip Sw. (Side)
<b>Sockets</b>	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
<b>Electronic Iris Range</b>	0.07 Lux to 42,000 Lux F1.2, Lens		
<b>Light Control</b>	Electronic Iris or Optional Auto Iris Lens		
<b>Auto Iris Output and Connection</b>	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 -	
	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)	
<b>Environmental Conditions</b>	Operating	Temperature: 14°F to 122°F (-10°C to 50°C) Humidity: Within 90% RH	
	Storage	Temperature: -4°F to 140°F (-20°C to 60°C) Humidity: Within 70% RH	
<b>Power Indicator</b>	LED		
<b>Power Requirement</b>	24V AC / 60Hz, 12-15V DC		
<b>Power Consumption</b>	Approx. 3.0W (w/o Auto-Iris Lens)		
<b>Dimensions (W x H x D)</b>	2.24 x 1.77 x 4.78 inches (57 x 45 x 121.3mm) (w/o Lens Mount and Camera Mount)		
<b>Weight</b>	0.53 lb (245g) (w/o Lens)		

Specifications subject to change without notice.  
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