

SANYO

1/2" CCD Image Sensor B/W Camera

- High Resolution, 570 TV Lines
- High Sensitivity, 0.07 Lx (F1.2)
- Backlight Compensation & Electronic Iris
- High Speed Electronic Shutter
- Internal Sync. /External Sync.
- Power Supply 12V DC

V C B - 3 5 1 2



Shown with an optional lens

VCB-3512

Features

- 1/2" CCD image sensor with approx. 410,000 picture elements
- High resolution, 570 TV lines of horizontal resolution
- Minimum required illumination 0.07 Lx at F1.2 lens
- Equipped with new backlight compensation
- Equipped with electronic iris
- Built-in high speed electronic shutter
- CS/C mount (C-mount adaptor supplied)
- Flange back adjustable externally
- Built-in auto iris level control circuit
- Both DC type and video type auto iris lenses applicable
- Automatic selection system for internal sync. or external sync.
- External sync. VS or HD/VD signal, PLL 2:1 interlace
- Operates on 12V DC (from supplied AC adaptor)
- Lower power consumption and quick start
- Versatile use and very compact size
- Metal cabinet
- No interference from magnetic or electrostatic fields

AC adaptor

Model	VCB-3512
Power Requirement	120 VAC (+10%), 60Hz
Power Consumption (approx)	4W (with camera head & auto iris lens)
Dimensions (approx.)	2.1"(W) x 2.4"(H) x 1.6"(D)
Weight (approx.)	9.5 ounces

Specifications

MODEL	VCB-3512	
Scanning System	EIA Standard 525 lines, 30 frames/sec.	
Image Sensor	Interline Transfer Method CCD	
Image Size	1/2" (approx. 6.4 mm x 4.8 mm)	
Picture Element	All	811(H) x 508(V)
	Effective	768(H) x 494(V)
Optical Black Element	Horizontal	3: in front, 40: in back
	Vertical	12: in front, 2: in back
Unit (Pixed) Cell Size	8.4(H) x 9.8(V) μ m	
Synchronizing System	Internal/external (VS, HD, VD) sync. (automatic switching)	
Interlace	PLL 2:1 interlace	
Horizontal Resolution	570 TV lines	
Video Output Level	1.0 V(p-p) (75 Ohms, composite)	
Video S/N Ratio	More than 50 dB	
Minimum Illumination (Incandescent Lighting)	Scene: 0.07 lx with F1.2 lens (0.09 lx with F1.4) Imager: 0.01 lx	
Electronic Shutter	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.	
Backlight Compensation	ON/OFF: manual switching, center zone light-measuring system	
Lens Mount	CS/C mount (C mount: using C-mount adaptor supplied)	
Flange Back	12.5 mm \pm 0.8 mm adjustment	
Camera Mount	1/4" ---20 UNC (top/bottom selectable)	
Controls	Electronic Shutter.....	8 mode --- DIP SW (side)
	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
	Sockets	Video.....
	External Sync.....	VS/HD IN --- BNC (rear) VD IN --- BNC (rear)
	Auto Iris Lens.....	LENS --- 4-pin (side)
	Power Supply.....	12V DC IN --- 2-pin power jack
Light Control	Electronic iris or optional auto iris lens	
Electronic Iris Range	0.07 lx to 18,000 lx ---(F1.2 lens) 0.09 lx to 24,000 lx ---(F1.4 lens)	
Auto Iris Output	DC: Drive Coil (+, -), Brake (Damp) coil (+, -) /VIDEO: +12V DC (Max. 50 mA), Video Signal (hi-Z), GND	
Environmental Conditions	Operating	Temperature: -10°C to + 50°C, Humidity: within 90% RH
	Storage	Temperature: -20°C to + 70°C, Humidity: within 70% RH
Power Requirement	12V DC/150mA (w/o auto iris lens)	
Power Supply	12V DC (from supplied AC adaptor)	
Dimensions (w/o lens, approx.)	2.2" (W) x 1.77" (H) x 3.92" (D)	
Weight (w/o lens, approx.)	11.6 ounces	

Specifications subject to change without notice.
©1996 Sanyo Security Video



Sanyo Security Video
21605 Plummer Street
Chatsworth, CA 91311-2329
Phone: (818) 998-7322, ext. 286
Fax: (818) 717-2719