

# SCC-B2331

A1™ Chip Technology, Electronic Day/Night, High Resolution Box Camera



## Summary

Samsung SCC-B2331 A1 Chip camera is an advanced high resolution security camera that can capture detailed images under extremely low light conditions. The camera uses a 600TVL Super-HAD CCD.

The SCC-B2331 offers an electronic day/night function and provides noiseless clarity by using Auto Gain Control (AGC) and Low Speed Shutter functions. The camera performs with minimum illumination sensitivities of 0.0002 lux @ 15IRE with 512x Sens-Up. Being a part of the Samsung A1 chip cameras, SCC-B2331 features DNR, that provides a S/N ratio over 52dB, nearby the other functions including XDR, BLC, and DIS.

## Features

- 1/3" 410K Pixels Super-HAD IT CCD
- High Resolution: 600TV Lines
- Min. Illumination 0.0002Lux (F1.2, 15 IRE, Sens-Up 512x)
- Internal/Linelock (Phase Control) Function
- ALC(Video/DC)/ELC
- Day Night Function (Soft), Sens-Up Function (512x)
- Positive/Negative Imaging
- Motion Adaptive Digital Noise Reduction (3D+2D)
- Back Light Compensation (Area Setting)
- Advanced Motion Detection Function
- eXtended Dynamic Range (XDR)
- Privacy Mask Function (Polygonal Mosaic)
- High Shutter Speed Control by External Trigger
- DIS (Digital Image Stabilization)
- CCVC (Camera Control Via Coaxial cable, Controller : SCX-RD100)
- Multi-Language OSD support
- C/CS Lens Mount Compatible
- DC12V & AC24V 60Hz (50Hz)

## A1™ Chip Technology

A1™ Chip Technology provides advanced image processing, 600TVL image quality, Virtual Progressive Scan, Day/Night, XDR, and Built-in Analytics (on select models). This technology helps create a cost effective bridge between analog and IP systems.



- 600TVL
- Positive/Negative Imaging
- Advanced Motion Detection
- Motion Adaptive Digital Noise Reduction
- Digital Image Stabilization
- Day/Night Function
- eXtended Dynamic Range

## eXtended Dynamic Range (XDR)

Detail is often lost in darker or strong backlit areas. Challenges in heavily shadowed walkways and outdoor parking areas can be eliminated by XDR.



## High Resolution (600 TV Lines)

This camera can achieve a high resolution of 600TV Lines using the full digital image processing and special algorithm technologies.



Conventional



600TV Lines

SCC-B2331



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This product specifications and manual are also available in pdf format at [www.samsung-security.com](http://www.samsung-security.com)  
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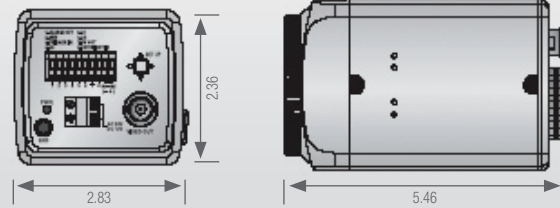
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## Specifications

Camera Type	Color/BW	Color	
Image	Device	1/3" Super-HAD IT CCD	
	Pixels	Effective	NTSC: 768 x 494
Scanning	System	Interface	
	Horizontal Frequency	Internal Mode	15,734Hz
		Line-lock Mode	15,750Hz
	Vertical Frequency	Internal Mode	59.94Hz
Line-lock Mode		60Hz	
Resolution	Horizontal	600 TV Lines	
Min. Scene Illumination	Sens-up off	0.12Lux(15IRE), 0.2Lux(30IRE), 0.4 Lux(50IRE) @ F1.2	
	Sens-up	0.0002Lux(15IRE), 0.0005Lux(30IRE), 0.0008 Lux(50IRE) @ F1.2	
Functions	Number of Privacy Zone	12 (Polygonal Method)	
	Day/Night	Day/Night/Auto(Soft Method)	
	Motion Detection	Off/On	
	D-Zoom	1x ~ 16x (0.1x STEP)	
	High Speed Shutter	1/60 ~ 1/10K sec (OSD/External Control)	
	Sens-up	2x ~ 512x	
	BLC	Off/On	
	AGC	Off/On	
	ELC	Off/On (~ 1/200K sec)	
	Line Lock	Off/On (Phase Control)	
	Camera ID	Off/On (Max 54ea/ 2 lines)	
	White Balance	ATW1 / A TW2 / AWC / 3200K / 5600K	
	Extended Dynamic Range (XDR)	Off/Low/Mid/High	
	Digital Noise Reduction (DNR)	Off/On	
	Digital Image Stabilization (DIS)	Off/On	
	PIP	Off/On	
	Etc. Function	Detail, Reverse (H/V), Positive/Negative	
	Video Output	VBS 1.0Vp-p	VBS 1.0VpN/Ap
	S/N Ratio	S/N Ratio	52dB
Lens	Lens Drive Type	Manual/AI(Video/DC)	
	Mount Type	CS/C	
OSD		Yes	
Alarm	Output	1 ea	
Remote Control	CCVC	Yes (with SCX-RD100)	
Environmental Conditions	Operating Temperature	14°F ~ 122°F (-10°C ~ 50°C)	
	Operating Humidity	Less than 90%	
Power	Power Requirement	24VAC ±10%/12VDC ±10%	
	LED Indicator	Yes	
Physical Specification	Dimensions (W x H x D)	2.52 x 2.28 x 4.3 in (64 x 58 x 109.2 mm)	
	Weight	0.67lbs (305g)	
	Color	Body	Silver

## Dimensions (unit : in) Front/Rear Panel



## Certifications



SCC-B2331



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