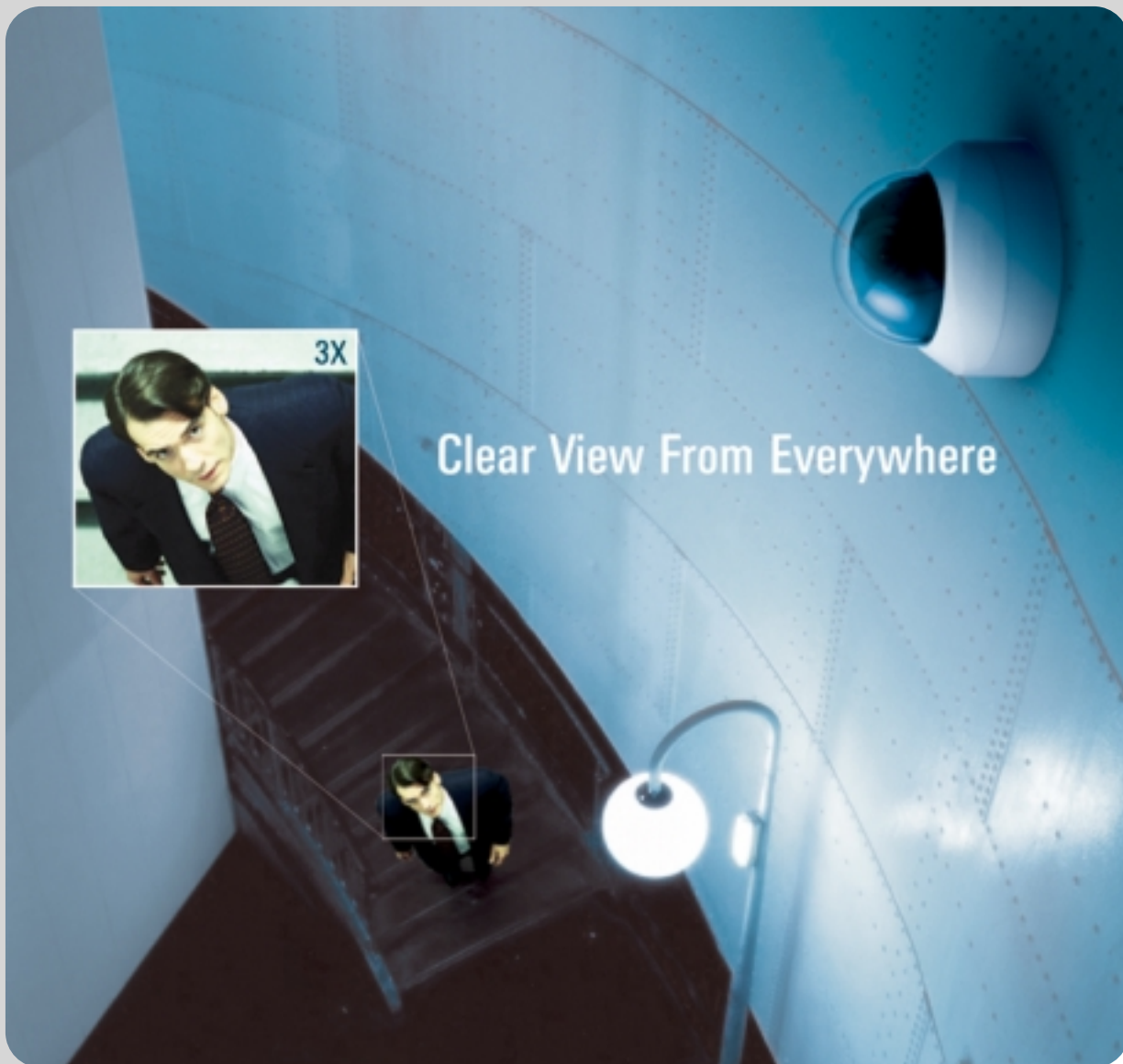


SID-450



High Resolution Day & Night 3-Axis Dome Camera

# SID-450



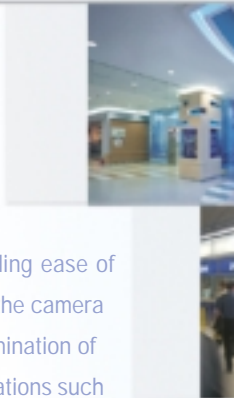
- Mountable to any places with **3-axis** rotating structure
- Built-in auto iris **3X** varifocal lens (f=3-9mm)
- High resolution of **530TV** lines, High sensitivity of **0.002Lux**
- **Day & Night**, Unique **SSNR**, noise reduction technology



SAMSUNG

# Unlimited Flexibility.. Clear View

## SID-450, New High Resolution Day & Night 3-Axis Dome Camera



The SID-450, Samsung's new 3-axis color dome camera provides not only quality performance but also outstanding ease of installation. This camera is especially incredibly flexible to install with its 3-axis camera construction, which makes the camera wall or slope mountable. It features compact size, built-in 3X (f 3.0-9mm) varifocal lens, 530TV lines, a minimum illumination of 0.002Lux and unique SSNR noise reduction technology. This versatile camera is an excellent choice for indoor applications such as retail, schools, airports, banks and hotels.

### All-Time Cleaner, Sharper Image!

#### High resolution of **530TV** lines



Conventional camera



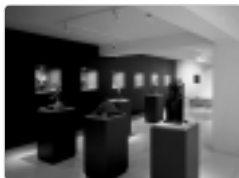
SID-450

The SID-450 ideally combines advanced Samsung optics, a high performance Super HAD CCD image sensor and WinnerIII, a newly developed professional DSP chip in order to deliver ultra clear image of horizontal resolution of 530TV lines. High signal-to-noise ratio of 50dB also provides strong video signal for enhanced picture quality.

#### High sensitivity of **0.002Lux**, Day & Night mode



Conventional camera

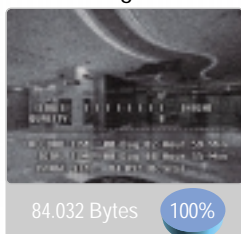


SID-450

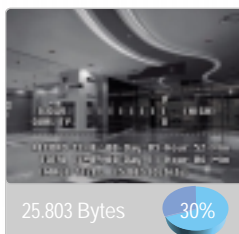
The SID-450 ensures high resolution color images down to an 0.3Lux @ F1.2 in daytime and when light levels fall even to a certain level the camera automatically switches to monochrome mode. Especially the unit boasts outstanding sensitivity of as low as 0.002Lux for excellent low light operations in color using Sens-up function(Max. 128X). The SID-450 is an excellent choice for those applications, where there is a severe illumination change.

#### **SSNR**, substantial noise reduction

##### Disk Saving Effect



Conventional camera



SID-450

When lighting levels are low, SSNR dramatically reduces both random and fixed noise and at the same time produces a high signal to noise ratio and no ghost effect. An additional benefit of this technology is the reduced file size of recorded images. A DVR's recorded file size is reduced by a massive 70% when using a MPEG format and by 40% when using a JPEG format.

##### Removing Picture Noise



Conventional camera



SOC-450

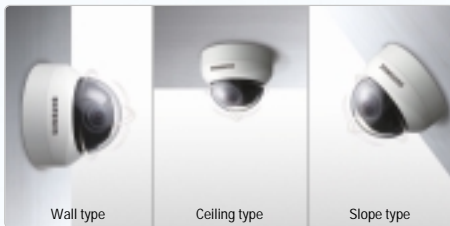
\*SSNR : Samsung Super Noise Reduction

# View From Everywhere!



Pan : -175° ~ 175° (350°)  
Tilt : -80° ~ 80° (160°)  
Rotation : -175° ~ 175° (350°)

## Install at any locations you want!



### Wall mountable with **3-Axis** camera mechanism

The SID-450 lens can be rotated or shifted horizontally or vertically so you can position the camera to get the pictures you need. As a result, the unit can be easily mounted to walls or sloping surfaces. The viewing angle of the camera is easy to adjust even after installation.



3X Zoom



### Built-in auto iris **3X** varifocal lens

The unit is equipped with 3X vari-focal auto iris lens. Images can be enlarged or reduced by control of the vari-focal lens. Optical zooming is convenient for setting the image size after setting the instruction of the camera.



### Additional **service monitoring** output

Installation is made simpler by a service video connector that provides the installer with easy access to the assistant video from the camera.



### Easy to use **OSD** menu

The unit supports user-friendly on-screen display capability for improved ease of operation.



SETUP	
→ LENS	DC
SHUTTER	---
WHITE BAL	ATW
BACKLIGHT	OFF
AGC	MIDDLE ←
SSNR	LOW
SENS-UP	OFF
SPECIAL	←
EXIT	

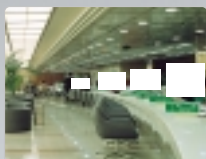
OSD functions



## Other Intelligent Features



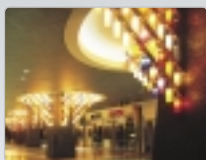
### Privacy Zone Masking



When the SID-450 is observing a wide area, the captured images can be “masked” for privacy purposes. Users can easily configure the size and position of the required privacy zones.



### Wide Range Automatic White Balance



SID-450's automatic white balance technology allows true color images without tending to be red or blue, which covers extensive color temperature range of 1,800°K ~ 10,500°K.



### Intelligent Motion Detection



This versatile camera is also equipped with the internal ability to detect motion in the scene they are viewing. Users can easily configure the size and position of up to 4 required zones.

Motion Detected



### Camera ID Setting

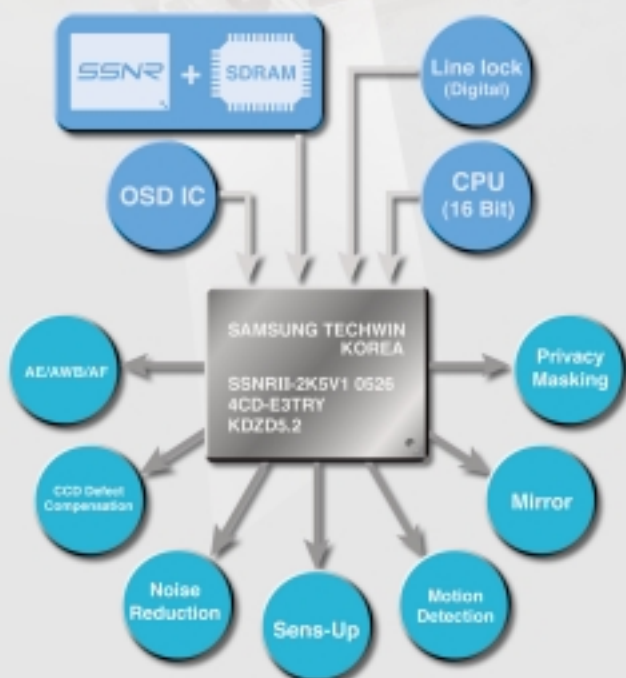
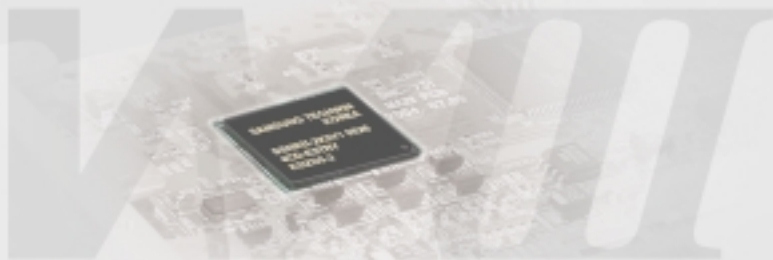
Users can use the camera identification (CAMERA ID) to assign a name to the camera. The camera ID consists of up to 15 alphanumeric characters.



## Highly efficient new camera engine

### **WIII** DSP System

At the heart of the SID-450 is **WINNERIII**, a proprietary powerful new DSP engine that allows ultra high resolution surveillance images and various intelligent functions at the same time. The New **WIII** DSP succeeds in integrating **SSNR**, Samsung's renowned noise reduction technology with 16-bit high speed CPU, which realizes genuine cost effectiveness of the camera.



High Resolution Day & Night 3-Axis Dome Camera

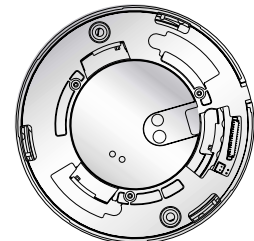
# SID-450



## Specifications

Model	SID-450N	SID-450P
Power Source	12V DC 10% compatible	
Power Consumption	Max. 2.5W	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Image Pick-up Device	1/3" Super HAD CCD	
Scanning System	2 : 1 Interlace	
Scanning Frequency	15.734KHz(H) / 59.94Hz(V)	15.625KHz(H) / 50.00Hz(V)
Synchronization	Internal / Line lock	
Resolution	530TV lines	
Video Output	1.0Vp-p / 75Ω (Video : 0.714Vp-p, Sync : 0.286Vp-p)	
S/N (Y signal)	50dB (AGC off, Weight on)	
Min. Illumination	0.3Lux @ F1.2, 0.002Lux @ F1.2 (Sens-up, 128X)	
Day & Night	On / Auto selectable	
BLC	Low / Middle / High / Off selectable	
Gain Control	Low / Middle / High / Off selectable	
SSNR	Low / Middle / High / Off selectable	
White Balance	ATW / AWC / Manual selectable (1800°K ~ 10,500°K)	
Electronic Shutter	Fixed (1/60 or Flickerless mode)	Fixed (1/50 or Flickerless mode)
Sens-up	Auto / Off (2X ~ 128X)	
OSD	Built-in	
Motion Detection	On / Off (4 Programmable zone, Screen display)	
Mirror	On / Off	
Privacy Function	On / Off (4 Programmable zone)	
Sharpness	On / Off (Level adjustable)	
Focal Length	3.0mm ~ 9.0mm	
Max. Aperture Ratio	1 : 1.2 ~ 2.1	
Viewing Angle	H : 31.8° (Tele) ~ 90.0° (Wide) / V : 23.9° (Tele) ~ 66.2° (Wide)	
Monitoring Angle	Pan	-175° ~ 175°
	Tilt	-80° ~ 80°
	Rotation	-175° ~ 175°
Operating	Temperature	-10°C ~ +50°C
	Humidity	30% ~ 80% RH
Dimension	130(ø) x 100(H)mm	
Weight	570g	

## Dimensions



ø130

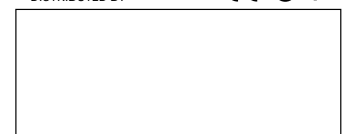


ø130

[www.samsungcctv.com](http://www.samsungcctv.com)

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**SAMSUNG TECHWIN CO., LTD.**  
145-3, Sangdaewon 1-dong, Jungwon-gu,  
Seongnam-si, Gyeonggi-do 462-703, Korea  
Tel : +82-31-740-8137~8141 Fax : +82-31-740-8145

**SAMSUNG OPTO-ELECTRONICS AMERICA, INC.**  
**ELECTRONIC IMAGING DIV.**  
40 Seaview Drive, Secaucus, NJ 07094, U.S.A  
Tel : +1-201-902-0347 Fax : +1-201-902-0429

**SAMSUNG TECHWIN MOSCOW OFFICE**  
Korp 14, 37-A, PR-KT, Leningradsky,  
Moscow 125167, Russia  
Tel : +7-95-258-9296, 9298 Fax : +7-95-258-9297

**SAMSUNG OPTO-ELECTRONICS UK, LTD.**  
Samsung House, 1000 Hillswood Drive,  
Hillswood Business Park Chertsey, Surrey KT16 OPS  
Tel : +44-1932-45-5308 Fax : +44-1932-45-5325

**TIANJIN SAMSUNG OPTO-ELECTRONICS CO., LTD.**  
7 Pingchang Rd., Nankai Dist. Tianjin 300190, P.R China  
Tel : +86-22-2761-4724(33821) Fax : +86-22-2761-6514

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