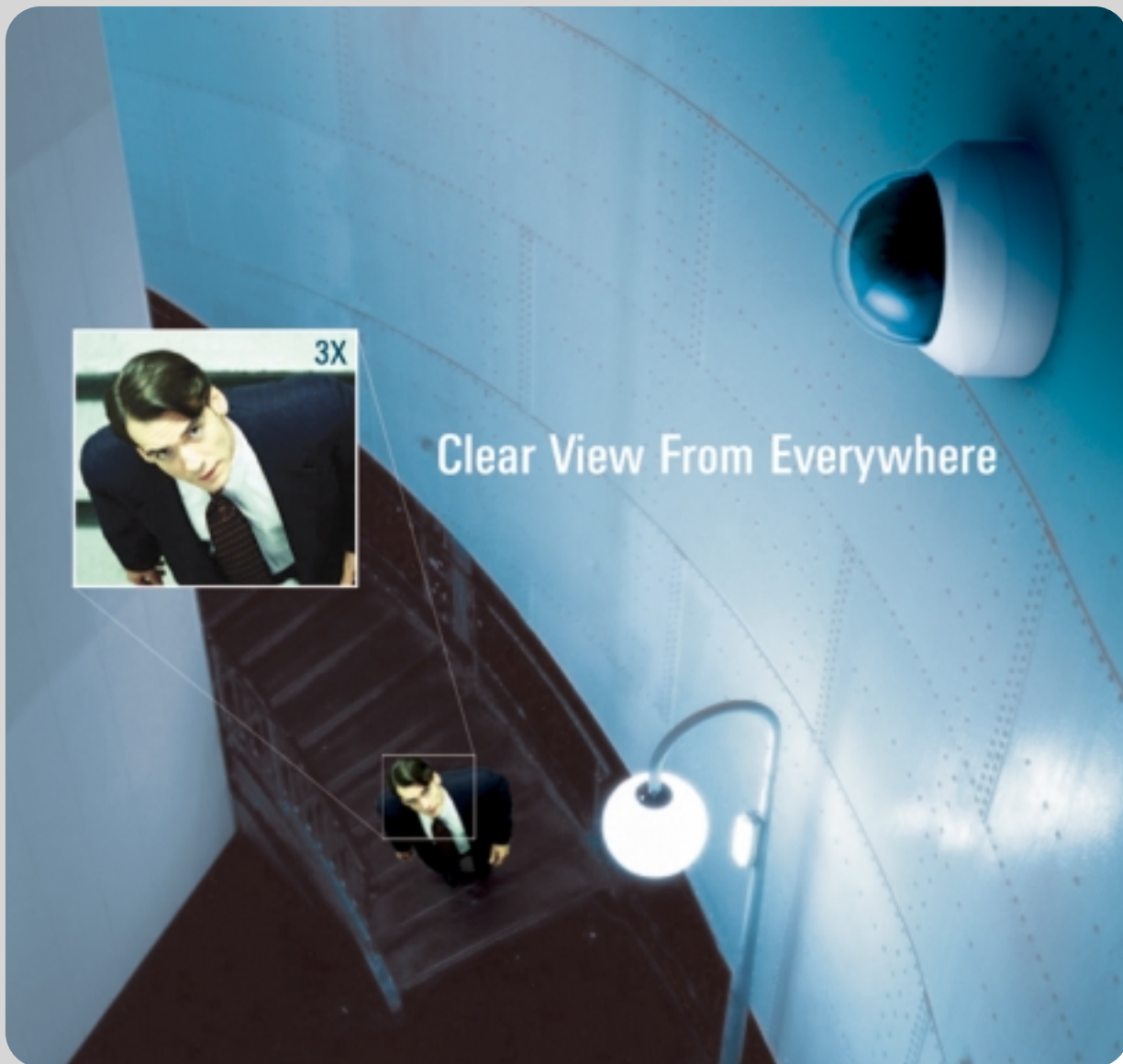**3X**

Clear View From Everywhere

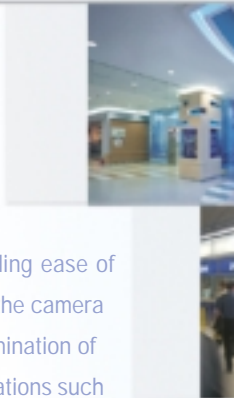High Resolution Day & Night 3-Axis Dome Camera

SID-450 SSNR

- 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

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
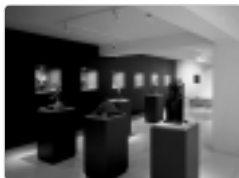

Conventional camera

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
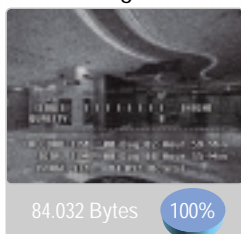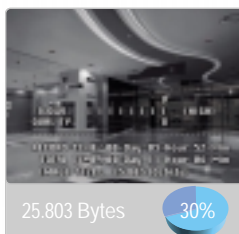

Conventional camera

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 mono-chrome 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

84.032 Bytes 100%
Conventional camera

25.803 Bytes 30%
SID-450

Removing Picture Noise

Conventional camera

SOC-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.

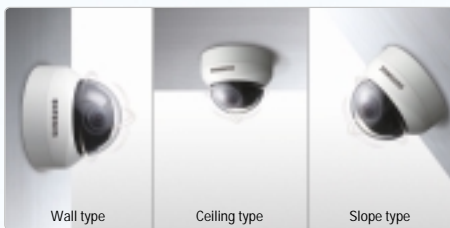*SSNR : Samsung Super Noise Reduction

From Everywhere!

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

Install at any locations you want!

Wall type   Ceiling type   Slope type

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.

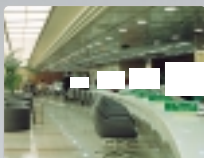| SETUP	
LENS	DC
SHUTTER	---
WHITE BAL.	ATW
BACKLIGHT	OFF
AGC	MIDDLE
SSNR	LOW
SENS-UP	OFF
SPECIAL	
EXIT	

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.
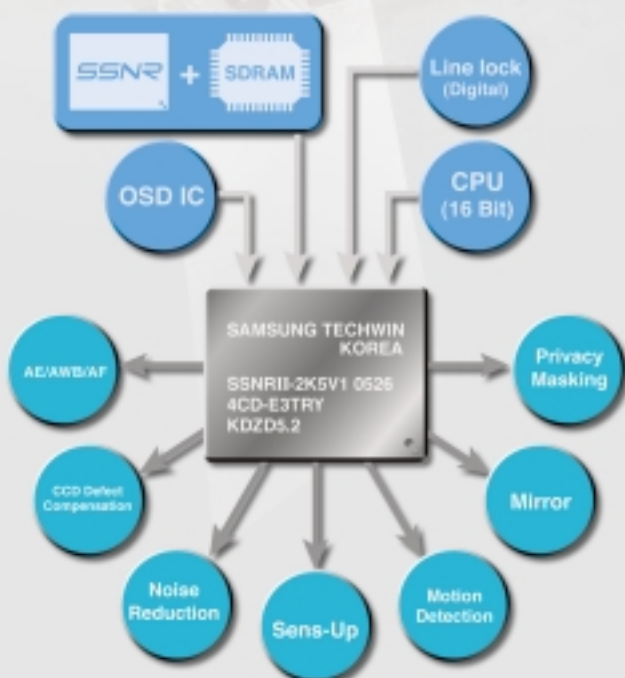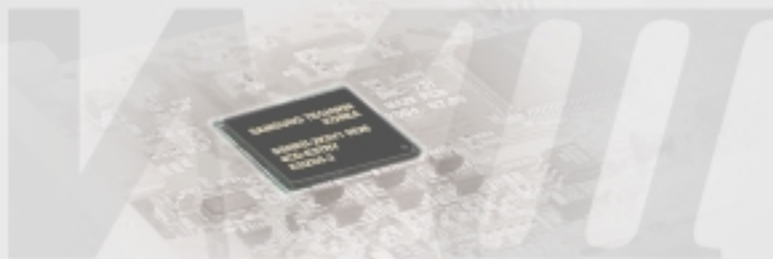
Motion Detected

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

W*III* DSP System

At the heart of the SID-450 is **WINNER*III***, a proprietary powerful new DSP engine that allows ultra high resolution surveillance images and various intelligent functions at the same time. The New **W*III*** 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.
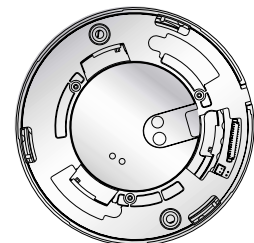
High Resolution Day & Night 3-Axis Dome Camera

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

100

ø130

Design and specifications are subject to change without notice.

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