



SDC-415

Compromise is a thing of the past

High Resolution Day&Night Camera

# SDC-415



- High Resolution of 520TV lines
- High Sensitivity Day&Night of min. 0.002Lux
- Disk Saving with Unique SSNR Technology





# Samsung's new **SDC-415 D** ...Cost effective surveillance

You may consider CCTV an important part of your security armoury but quite often budgetary restrictions result in a compromise on the quality of the cameras used. This has particularly been the case with Day/Night cameras when they are regarded as an ideal solution for applications where lighting levels are low or variable, yet have not always been looked at as an option because of its prohibitively high cost. The new SDC-415 high resolution Day/Night camera realizes genuine cost effectiveness with absolutely no compromise on quality. High resolution color images during the day and equally high quality images at night, intelligent motion detection, privacy masking and on-screen display for easy set are all supplied as standard with the SDC-415. And unique to Samsung Techwin, the SDC-415 incorporates SSNR our super noise reduction technology.

## Ultra clear images

**520TVL** **520** TV lines

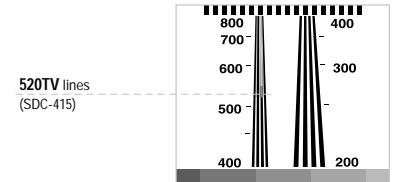
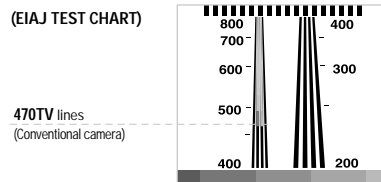
The SDC-415 is packed full of the latest CCTV technology. Advanced Samsung optics, a high performance CCD image sensor and a newly developed professional DSP chip combine to deliver 520TV lines translating into sharp ultra clear images.



Conventional camera



SDC-415

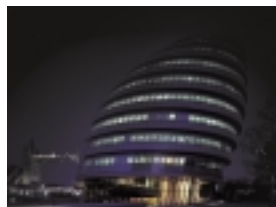


As low as 0.002Lux with Sens-up

**Day & Night** capability



Day



Night

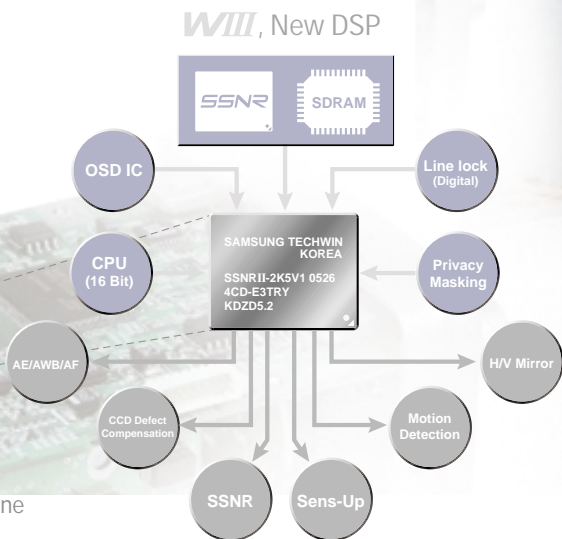
The SDC-415 delivers high resolution images down to an 0.3Lux in daytime and when light levels fall even to a certain level the camera automatically switches to monochrome mode (0.1Lux ). Especially the SDC-415 boasts outstanding sensitivity as low as 0.002Lux for excellent low light operations. In color using Sens-up(128X) function.

# Day/Night camera... without compromise

All functions in one chip

**WIII** DSP engine

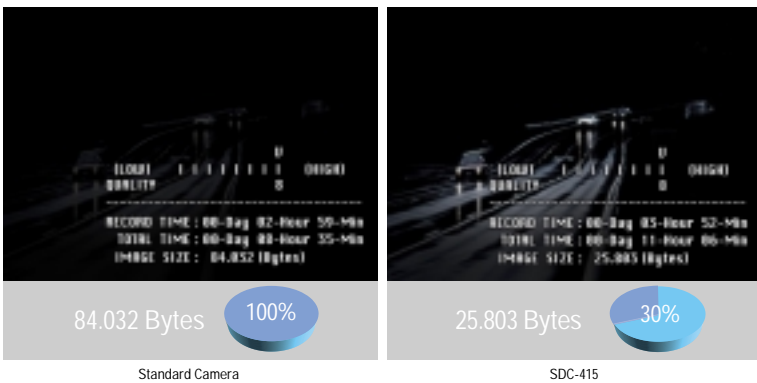
At the heart of the SDC-415 is **WIII**, a proprietary powerful new DSP engine that attains not only the extra high resolution images but also various intelligent surveillance functions. This 16-bit processing DSP engine is highly efficiently integrated chipset which, realizes genuine cost effectiveness of the camera. It ensures almost no detail is lost.



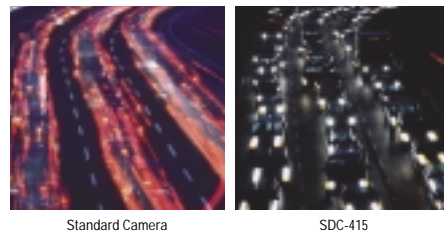
Unique SSNR Technology

**SSNR** Max. 70% **Disk Saving** Effect

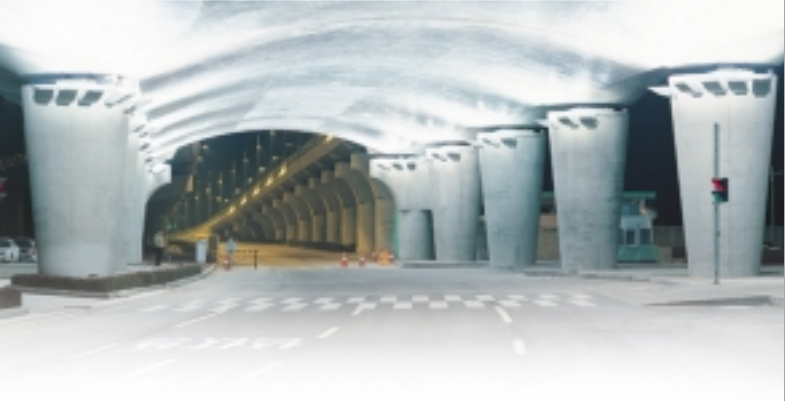
Disk Saving Effect



Removing Picture Noise

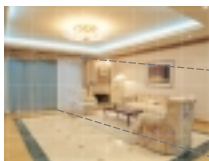


When lighting levels are low SSNR dramatically reduces both random and fixed noise and at the same time produces a high signal to noise ratio and no ghost effect. In simple terms the result is clear sharp images, even in the most severe lighting conditions. The absence of any "ghost" affect, that is normally quite common in low light conditions, offers a higher level of identification - a big plus where, for example, there is a requirement for example, to recognise number plates. 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.



Versatile surveillance

## Intelligent **Motion Detection**



This versatile camera is also equipped with the internal ability to detect motion in the scene they are viewing.



Motion Detected

Versatile surveillance

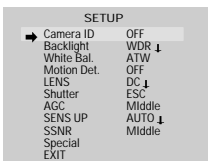
## Privacy **Masking**



When the SDC-415 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.

Versatile surveillance

## Easy to use **OSD** menu



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



OSD functions

Versatile surveillance

## High **Signal to Noise Ratio**



High Signal to Noise Ratio of 50dB provides strong video signal for enhanced picture quality.

Versatile surveillance

## 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.



# SDC-415

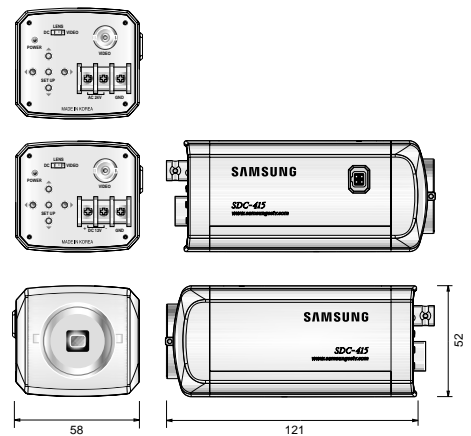
High Resolution Day&Night Camera



## Specifications

Model	SDC-415N	SDC-415P
Power Source	24VW AC, 12VW DC	
Power Consumption	Max. 2.4W	
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" interline transfer CCD	
Scanning System	2 : 1 Interlace	
Scanning Frequency	15.734KHz(H) / 59.94Hz(V)	15.625KHz(H) / 50.00Hz(V)
Synchronization	Internal / Line lock selectable	
Resolution	520TV lines	
Video Output	1.0Vp-p / 75Ω (Video 0.714Vp-p, Sync 0.286Vp-p)	1.0Vp-p / 75Ω (Video 0.7Vp-p, Sync 0.3Vp-p)
S/N Ratio	50dB (AGC Off)	
Min. Illumination	0.3 Lux(F1.2) (Color) / 0.1 Lux(F1.2) (B/W) / 0.002 Lux (Sens-up)	
Day & Night	Off / Auto	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / AWC / Manual selectable	
Electronic Shutter	Auto / Manual (1/60 ~ 1/120,000sec)	Auto / Manual (1/50 ~ 1/120,000sec)
Sense-Up	Off / Auto (128X)	
OSD	Built-in	
Motion Detection	On / Off (4 Programmable zone) Sensitivity selectable	
SSNR	On / Off (Noise reduction)	
Mirror	Built-in (Horizontal image inversion)	
Privacy Function	On / Off (4 Programmable zone)	
IRIS Control	DC / VIDEO	
Lens Mount	C / CS Mount (Screw lock)	
Operating Temperature	-10°C ~ +50°C	
Operating Humidity	30% ~ 90% RH	
Dimension (mm)	58(W) x 52(H) x 121(D)mm	
Weight	290g	

## Dimensions



## Rear Panel



AC

DC

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

Design and specifications are subject to change without notice.



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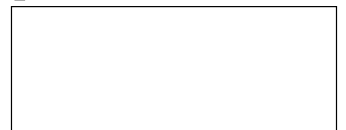
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