



# Sharp & Clear

23X High Resolution Speed Dome

## imagine Dynamic Panoramic Security

The SPD-2300 is a high resolution PTZ speed dome camera with 23X optical A/F zoom. Its outstanding resolution and fast, clear 23X optical zoom can keep an accurate eye on distant objects, and its ICR Day & Night technology and superior light sensitivity provides the perfect 24-hour security solution for a variety of locations including larger retail or performance areas and automated production lines.

**SAMSUNG**

# Clearer than ever, 23X Optical Zoom!

*Not a degree less than the full 360°, Customized Surveillance!*



## High resolution image of more than 520TV lines

A perfect combination of a high performance CCD sensor and a WIII integrated DSP chip gives you crystal clear horizontal resolution of 520TV lines in vivid colors or 570TV lines in B/W, enabling you to see all the details in the surveillance images.



Conventional Camera



SPD-2300



## ICR Day & Night function

Built-in ICR (Infrared Cut filter Removal) Day & Night technology automatically removes the IR Cut filter when night falls and switches to 570TV line B/W image mode.



Day



Night

# 23X high resolution optical zoom, the Speed Dome SPD-2300

The SPD-2300 is a multi-technology-using, high image-resolution-providing, 23X optical zoom PTZ speed dome camera. It can provide vivid video images with over 520TV lines in color during the day, and its Day & Night mode gives you high resolution of over 570TV lines in black and white during the night. Its up to 230X zoom capability instantly gives you a hawk's-eye view of far away objects, and its outstanding auto-surveillance function provides you with a customized surveillance view of nothing less than the full 360 degrees. The camera's easy-to-install design and multiple installation accessories are an added bonus for convenient and safe installation.



## High performance, 23X A/F Speed Zoom

The SPD-2300 comes with a 23X optical A/F zoom lens with 10X digital zoom enabling up to 230X zoom for your surveillance needs. It is especially useful for getting a clear image of distant objects such as vehicle plate numbers or for checking visitors.



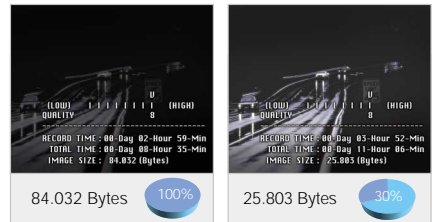
Conventional

23X



## Superior light sensitivity of 0.005Lux

The SPD-2300 uses a WIII digital image processor chipset with built-in SSNR noise reduction technology to provide cleaner images even in darkness down to 0.005Lux illumination. Any screen noise or ghost effects are effectively removed, and space usage for DVR storage can be reduced by up to 70 percent.



SSNR Off

SSNR On



## DIS (Digital Image Stabilizer)

The built-in DIS (Digital Image Stabilizer) capability detects even the most minute camera shake and automatically corrects it, so the resulting image is always very stable and vivid.

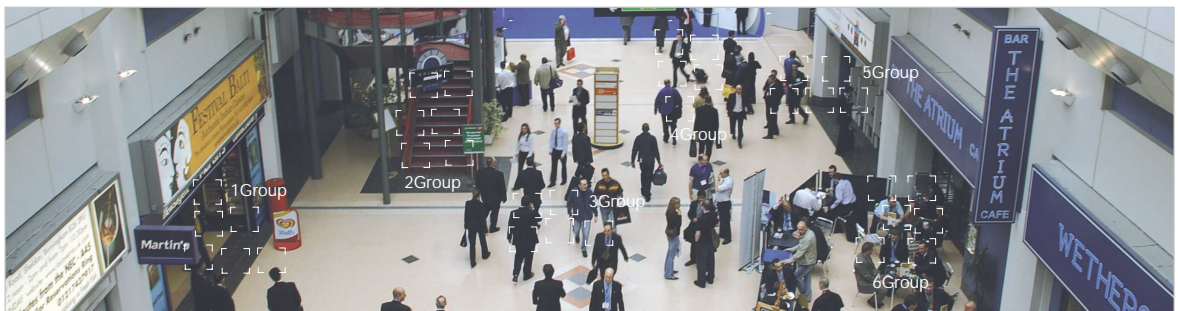


Digital Image Stabilizer



## 128 preset settings, multiple Auto-Surveillance functions

Up to 128 different preset settings are possible. Settings can be done according to their surveillance area, time, and/or method, enabling customized surveillance for maximum security.



High Resolution 23X Speed Dome Camera

# SPD-2300

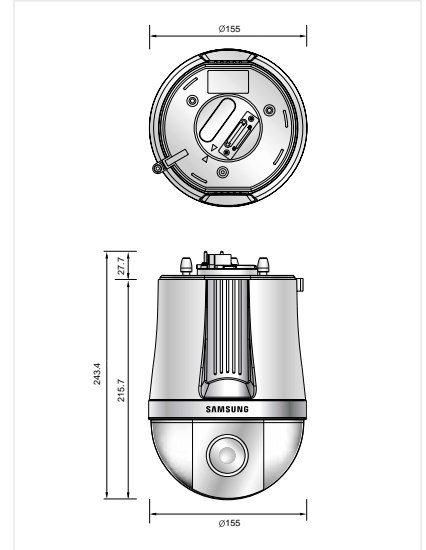


## Specifications

Mode	SPD-2300N	SPD-2300P
Power Source	24V AC	
Power Consumption	8Watts in standing by 13Watts in operating	
Image Pick-up Device	1/4" Super HAD CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace, 625 Lines / 60 Fields / 30 Frames	2 : 1 Interlace, 625 Lines / 50 Fields / 25 Frames
Synchronization	External selectable (AC line lock)	
Scanning Frequency	15.734KHz(H) / 59.94Hz(V)	15.625KHz(H) / 50.00Hz(V)
Resolution	Color : 520TV lines (Min.) / B/W : 570TV lines (Min.)	
Video Output	1.0p-p / 75Ω	
S / N Ratio	More than 50dB (AGC off)	
Min. Illumination	0.7Lux @ F1.6 (Normal color mode) 0.1 Lux @ F1.6 (B/W mode) 0.005Lux @ F1.6 (Sens-up mode)	
Day & Night	Auto / Color / B/W (ICR filter change)	
Electronic Shutter Speed	Auto / Manual selectable (1/60 ~ 1/120,000)	
Slow-shutter	On (2X ~ 128X fields) / Off selectable	
White Balance	ATW / AWC / Manual selectable	
Gain Control	Auto / Manual selectable	
OSD	On / Off selectable	
DIS(Digital Imager Stabilizer)	On / Off selectable	
Digital Zoom	2X ~ 10X (Total 230X zoom)	
Zoom Ratio	f3.84 ~ 88.4mm (23X)	
Multiple Protocols	PELCO-D, Panasonic, Vicon, Samsung Electronics	
Serial Communication	RS-485, RS-422, RS-232C	
Min. Focus Distance	1.2m	
Max. Zoom Speed	5.2sec	5.4sec
Pan Rotation Angle	360° Endless	
Pan Speed	240°/sec (64 step)	
Tilt Rotation Angle	-4° to 184°	
Tilt Speed	240°/sec (64 step)	
Privacy Function	On / Off Selectable (4 Programmable zone)	
Angle Field of View	H : 52.2°(Wide) to 2.36°(Tele) / V : 40.25°(Wide) to 1.78°(Tele)	
Preset	128 preset (Straight)	
Digital Flip	On / Off selectable	
Operating	Temperature	-10°C ~ +50°C
	Humidity	20% ~ 60% RH
Dimensions	Ø155(W) x 243.4(H)mm	
Weight	Approx. 2.0kg	

## Dimensions

Unit : mm



## Controller (Option)



## Accessories & Dimensions (For SPD-3300/3000/2300)

Unit : mm



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.



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I.D-0607