

High Resolution **300X Zoom**  
Enhanced Security Power !



High Resolution 30X Zoom Color Camera

## SDZ-300

- High image resolution of 520TV lines
- Up to 300X power zoom capability
- Day & Night (ICR), High sensitivity of 0.004Lux
- Built-in Digital Image Stabilizer (DIS)



# ***SDZ-300***, brand new 30x zoom camera Up to **300x zoom, 520TV lines** give you security and power !

**SDZ-300** is another masterpiece created by Samsung Techwin technology. All the functions needed in a security camera including powerful zoom up to 300X, high resolution of 520TV lines, incredible camera sensitivity, and easy installation are included at a modest price tag making this the logical choice for your security needs.



Powerful close-up !  
Zoom capability of up to **300X**



Optical 30X Zoom

SDZ-300 combines a 30x optical zoom and a 10x digital zoom to provide a powerful zoom capability of up to 300x. An object more than 325ft away from the camera in a parking lot or in a large discount superstore can be captured fast and accurately, and the image can be zoomed for security purposes.



High-definition image  
Horizontal resolution



Conventional Camera

SDZ-300 is an optimal combination of (DSP) and high performance CCD image sensors, providing clear images of 520TV lines.



Digital Image Stabilizer (DIS) feature



Conventional Camera



SDZ-300

Built-in DIS feature effectively reduces image shake usually associated with camera's pan/tilt movements.



Direct connection to DVR system



SDZ-300 connects directly to DVR without using any extra peripheral devices making it easy to control the powerful zoom function.

enhanced



es !  
n of **520TV lines**

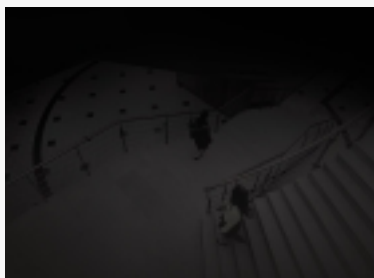


SDZ-300

WIII, Samsung digital signal processor  
ge sensor and provides high resolution



Day & Night security !  
**0.004Lux** low light level surveillance



Conventional Camera



SDZ-300

ICR (Infrared Cut filter Removal) method is used for Day & Night to automatically switch to 570TV lines B/W mode at night. Low light associated noise and image dragging (ghosting) have been drastically reduced by applying SSNR technology and the minimum light required has been brought down to 0.004 Lux enabling clear surveillance image during night time.



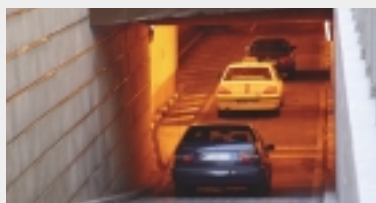
Privacy image masking  
for selected areas



Using the privacy masking feature enables you to exclude certain screen areas requiring privacy from the surveillance.



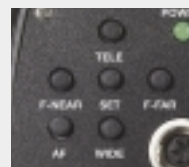
Wide range White balance



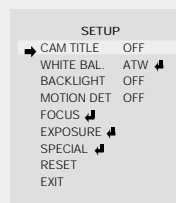
White balance is automatically adjusted even under Natrium lights or when inside tunnels to produce optimum color (1,800°K~10,500°K).



Convenient  
OSD function setting



OSD functions



Various functions of the camera are displayed right on a screen for easy adjustment.

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# SDZ-300

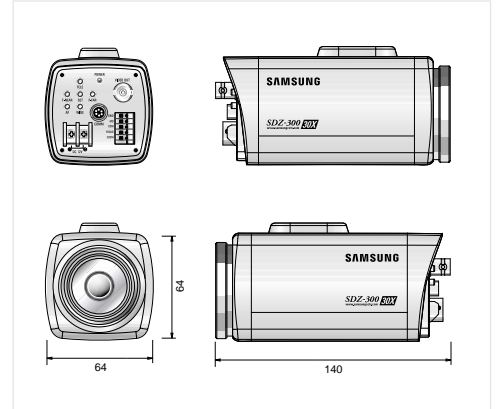


## Specifications

Mode	SDZ-300ND	SDZ-300N	SDZ-300PD	SDZ-300P
Power Source	8V DC ~ 12V DC (Recommended : 9V or 12V)	24V AC (±10%) 12V DC (±10%)	8V DC ~ 12V DC (Recommended : 9V or 12V)	24V AC (±10%) 12V DC (±10%)
Power Consumption	Normal 3W Max. 5W (Zoom, Focus, Day & Night motor operating)	12V DC : Nomal 4W / Max.6W 24V AC : Nomal 3.5W / Max. 5.5W	Normal 3W Max. 5W (Zoom, Focus, Day & Night motor operating)	12V DC : Nomal 4W / Max.6W 24V AC : Nomal 3.5W / Max. 5.5W
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			
Synchronization	Internal / Line lock selectable			
Scanning Frequency	Horizontal : 15,734KHz / Vertical : 59.94Hz    Horizontal : 15,625KHz / Vertical : 50.00Hz			
Resolution	Color : 520TV lines (Min.) / B/W : 570TV lines (Min.)			
Video Output	CVBS : 1.0Vp-p / 75Ω			
S / N Ratio (Y signal)	50dB (AGC Off, Weight On)			
Min. Illumination	0.6 Lux @ F1.6 (Normal color mode) 0.1 Lux @ F1.6 (B/W mode) 0.004 Lux @ F1.6 (Sens-up mode)			
Day & Night	Auto / Color / B/W (ICR filter change)			
Electronic Shutter Speed	Auto / Manual selectable (X128 - 1/60sec - 1/120,000sec) Sens-up Limit is selectable		Auto / Manual selectable (X128 - 1/50sec - 1/120,000sec) Sens-up Limit is selectable	
Back Light Compensation	Low / Middle / High / Off selectable			
White Balance	ATW [Indoor (3,000°K ~ 6,500°K), Outdoor (1,800°K ~ 10,500°K)] / AWC / Manual selectable			
Gain Control	Low / Middle / High / Off selectable			
OSD	Built-in			
Motion Detection	On / Off selectable (Built-in alarm output connector)			
SSNR	Low / Middle / High / Off selectable			
Iris Control	Auto / Manual selectable			
Focus	Auto / Manual / One push selectable			
Zoom Movement Speed	5.2 Sec : Wide to Tele		5.4 Sec : Wide to Tele	
Lens Initialize	Built-in			
Privacy Function	On / Off selectable (32 Zones, 8 Group / 4 Programmable zone per screen)			
Digital Zoom	On / Off selectable (Limit 10X)			
Zoom Ratio	f3.3 ~ 99.0mm (30X)			
Min. Focus Distance	1000mm			
Preset	8 Positions			
Freeze	On / Off selectable			
DIS	On / Off selectable			
Flip	Left / Right, Up / Down			
Communication	RS-485 (2,400bps, 4,800bps, 9,600bps, 19,200bps, 38,400bps, 57,600bps selectable) STW / PELCO-D Protocol available			
Control Output	External control by voltage (Zoom, Focus)			
Operating Temperature	-10°C ~ +50°C			
Operating Humidity	30% ~ 90% RH			
Dimensions	64(W) x 64(H) x 140(D)mm			
Weight	450g			
Option	System controller, Remote controller (RS-485 type, Cable length 3m)			

## Dimensions

Unit : mm



## Rear Panel



## Optional Controller



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

Design and specifications are subject to change without notice.



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