

37X High-Resolution WDR Zoom Camera

SDZ-375

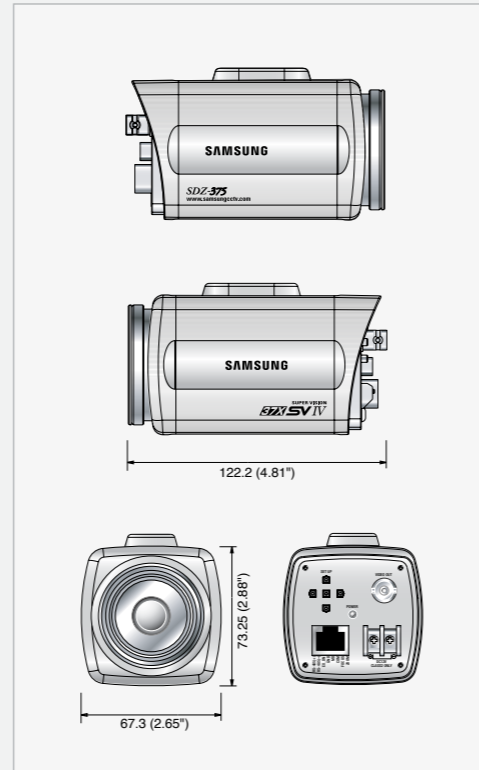


Specifications

	SDZ-375N	SDZ-375P
ELECTRICAL		
Input Voltage	12V DC	
Power Consumption	Max. 3.5W	
VIDEO		
Imaging Device	1/4" Vertical double density interline 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	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 550TV lines (Min.) / B/W : 680TV lines (Min.)	
Min. Illumination	Color : 0.7 lux (50 IRE@F1.6), 0.002 lux (Sens-up, 256X) B/W : 0.06 lux (50 IRE@F1.6)	
S / N (Y signal)	52dB	
Video Output	CVBS : 1.0Vp-p / 75Ω	
LENS		
Zoom Ratio	37X (Optical), 12X (Digital)	
Focal Length	3.5 ~ 129.5mm (F1.6 ~ 3.9)	
Max. Aperture Ratio	1 : 1.6(Wide) ~ 3.9(Tele)	
Min. Object Distance	1.5m (4.92ft)	
Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Focus	Auto / Manual / One-push	
Zoom Movement Speed	2.5sec	
Iris Control	Auto / Manual	
OPERATIONAL		
On Screen Display	Built-in (Multi-language support)	
Camera Title	On / Off	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	WDR / BLC / HLC / Off	
Dynamic Range	52dB	
Motion Detection	On / Off (Output via communication)	
Digital Image Stabilization	On / Off	
Privacy Masking	On / Off (8 Programmable zones)	
3D Noise Filter (SSNRII)	Low / Medium / High / Off	
Sens-up (Frame Integration)	On / Off (Selectable limit ~ 256X)	
Gain Control	Low / Medium / High / Manual / Off	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
Electronic Shutter Speed	Auto (NTSC : 1/60 ~ 1/120,000sec, PAL : 1/50 ~ 1/120,000) / Manual / A.FLK	
Communication	RS-485	
Protocol	STW, Pelco-D, Pelco-P, Panasonic, Honeywell, AD, Vicon, SEC	
Flip	On / Off	
Mirror	On / Off	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +50°C / 20% ~ 80% RH	
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 90% RH	
MECHANICAL		
Dimension (WxHxD)	67.3 x 73.25 x 122.2mm (2.65" x 2.88" x 4.81")	
Weight	415g (0.91 lb)	
Option	System controller, Remote controller	

Dimensions

Unit : mm (inch)



Controller (Option)



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.



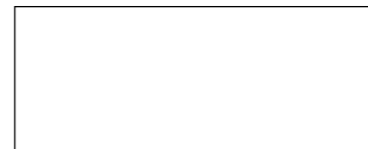
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I.D-0810

SV IV

Delivering **37X Optical Zoom**
Crisp and most detailed **Close-up!**



37X High Resolution WDR Zoom Camera
SDZ-375

imagine Redefining the Level of Details a Camera should Deliver

SDZ-375 combines powerful 37X optical zoom technology with Samsung Techwin's next generation SV-IV DSP creating a most powerful zoom box camera. SDZ-375 offers superior wide dynamic range performance, 550TV lines of high resolution, and excellent low light sensitivity of 0.7 lux. With its precise and fast zooming capability, Samsung Techwin is redefining how you should deliver most crisp and detailed images possible.

SAMSUNG TECHWIN



37X optical zoom and 12X digital zoom

With 550TV lines and
Excellent Low Light Sensitivity of 0.7 lux,
24 hours Day and Night High-Definition Quality



37X High Resolution WDR Zoom Camera SDZ-375

SDZ-375 is a high quality and cost-effective solution for large shopping malls, airports, terminals, parking lots, factories, and logistic centers where long zooming capability is needed. SDZ-375 can quickly and accurately identify long distant objects and license plates with its powerful 37X optical zoom and 12X digital zoom capability.



37X Optical Zoom Takes Image Capture to a Whole New Level

With the industry leading 37X optical (3.5~129.5mm) A/F zoom lens and the 12X digital zoom, SDZ-375 can enlarge an object up to 444X. With its powerful zooming speed and accuracy, SDZ-375 will ensure you get the crystal clear images quickly and easily.



Normal

37X Optical Zoom



Horizontal Resolution of 550TVL in Color

SDZ-375 provides resolution of 550TVL lines or higher in color and 680TVL lines in black & white by utilizing high-performance CCD image sensor and Samsung Techwin's high performance SV-IV DSP chipset.



Conventional Camera

SDZ-375



128X Superior Wide Dynamic Range

SV-IV DSP technology compensates for backlight problems 128 times more effectively than standard BLC, by applying an optimum fusion ratio when combining the high speed shutter used in bright areas and the low speed shutter used in dark areas. It carries out a precise analysis on the picture to get detailed information from the dark areas without any saturation from the bright areas.



WDR

HLC



ICR Day & Night Switching with Low Light Sensitivity 0.7 lux

SDZ-375 provides a high quality image by activating the IR Cut Filter Removal (ICR) Day & Night function that detects changes in the level of light at any time of day, and then switches to the optimum surveillance mode according to the light level. With an improved 256X Sens-up and advanced 3D digital noise reduction (SSNR II) technology, SDZ-375 offers excellent low light sensitivity of 0.7 lux and crisp clear images.



Day

Night



Built-in Digital Image Stabilization (DIS)

Using the DIS found in SV-IV DSP chipset, SDZ-375 have the capability of digitally compensating for camera shake commonly caused by wind or air handling equipment. Removing even minor vibration in the picture results in significant savings in DVR storage space.



DIS Off

DIS On



OSD Menus in Multi-Language and RS-485 Communication Port

SDZ-375 OSD menus are available in multiple languages right out of the box offering an easy and simple way for anyone to setup the menu quickly. Also, with RS-485 support, the camera can be programmed using the remote controller.



SCC-101 (OSD Controller)

