

Low Light, High Resolution 37X Zoom Camera

SDZ-370

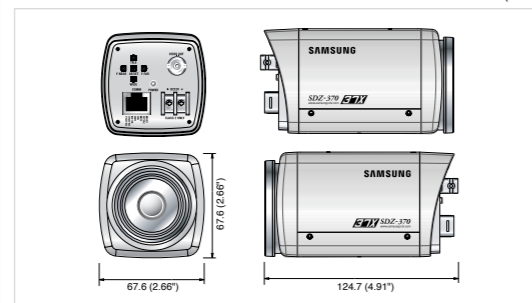


Specifications

	SDZ-370N	SDZ-370P
ELECTRICAL		
Input Voltage	12V DC	
Power Consumption	Max. 5.1W	
VIDEO		
Imaging 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	
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 : 0.4Lux (50 IRE@F1.6), 0.001Lux (Sens-up, 256X) B/W : 0.02Lux (50 IRE@F1.6)	
S / N (Y signal)	50dB	
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 (Currently supported languages : English, Spanish, Italian, French, German, Japanese, Chinese)	
Camera Title	On / Off	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	BLC / HLC / Off	
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	Samsung Techwin, Pelco-D, Pelco-P, Panasonic, Honeywell, AD, Vicon, Bosch	
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% ~ 95% RH	
MECHANICAL		
Dimension (WxHxD)	67.6 x 67.6 x 124.7mm (2.66" x 2.66" x 4.91")	
Weight	450g (0.99 lb)	
Option	Remote controller	
Certifications	FCC (Class A)	CE (Class A)

Dimensions

Unit : mm (inch)



Controller (Option)

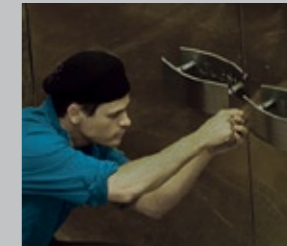
Remote Controller



SCC-101

Design and specifications are subject to change without notice.

DISTRIBUTED BY



37X

Super Zooming

37X Optical Zoom,
Excellent Nighttime Monitoring Capacity

SDZ-370

Low Light, High Resolution 37X Zoom Camera

- 37X optical zoom (3.5 ~ 129.5mm)
- Min. illumination of 0.4Lux
- High resolution of 550TV lines in color
- ICR Day & Night technology
- Built-in 3D filtering noise reduction technology, SSNRII
- Digital Image Stabilization



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

Clearer Zoomed Images at Lowest Light Levels 37X Zoom, Sharp Detail



The SDZ-370 is equipped with a powerful 37X optical zoom lens and 12X digital zoom, offering a maximum combined zoom ratio of 444X. Embedded with the W-IV fourth generation DSP chip, this camera offers excellent imaging capacities, with a minimum low light level of 0.4Lux, 550TV lines resolution, and 3D noise reduction filtering to capture clear, stable images even at night down to 0.01Lux with sens-up.

Highest Optical Zoom Ratio of 37X



With the industry leading 37X optical (3.5 ~ 129.5mm) auto focus zoom lens and the 12X digital zoom, the SDZ-370 can enlarge objects up to 444X.

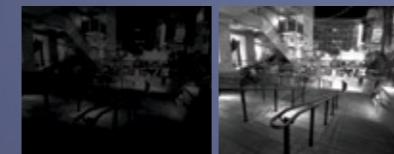


37X

Excellent Ultra Low Light Night-Time Capabilities with 0.02Lux



The SDZ-370's integrated ICR Day & Night technology combines optimal image quality, automatic day/night switching according to light levels, and a 256-times powerful Sens-up feature to provide an excellent ultra low light performance of 0.001Lux. With our proprietary 3D noise-filtering SSNR II, this camera guarantees noise-free, crystal clear images even in the darkest places.



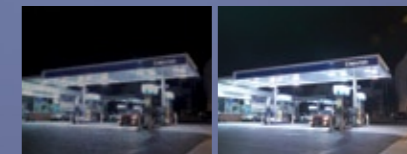
Conventional Camera

SDZ-370

High 550TV lines Resolution Images Displaying True Color Rendition

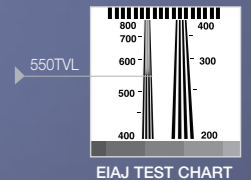


The SDZ-370 provides a resolution of greater than 550TV lines in color and 680TV lines in black & white by utilizing a high-performance CCD image sensor and Samsung Techwin's high performance W-IV DSP chipset.



Conventional Camera

SDZ-370



EIAJ TEST CHART

Highlight Compensation, HLC



With HLC (Highlight Compensation), the SDZ-370 effectively inverts excessively bright light allowing the capture of clear images such as number plates.



HLC Off

HLC On

Digital Image Stabilization, DIS



The SDZ-370 provides the DIS (Digital Image Stabilization) option that automatically adjusts the lens's focus if it is unduly influenced by the wind or an external impacts.



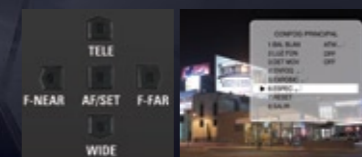
DIS Off

DIS On

Convenient Multi-language OSD



The camera's multi-language On Screen Display improves the operator's ease of use and enables easy access to the camera's various functions.



Cost-Effective Camera

The SDZ-370 is equipped with a built-in 37X optical auto focus zoom lens, and this helps to establish a cost-effective monitoring system.

