

SV III

Powerful Close-up In the Dark



High Sensitivity, Day & Night
30X Zoom Color Camera

SDZ-330

SAMSUNG

Another grand achievement by **SVIII** technology **SDZ-330**.. World's First and Best **30X** Optical Zoom

The **SDZ-330**, a new powerful zoom camera incorporates the famous **SVIII**, the latest version of the **SV** (Super Vision) Series DSP system which is a real breakthrough in the light-sensitive technology. This **SDZ-330** boasts the world's best 30X optical auto focus zoom lens that ensures ever precise and powerful close-up capability and at the same time it achieves an outstanding trinity that is an impressively enhanced low-light sensitivity of 0.4 Lux @ F1.6 in normal color mode, a 126 times wide dynamic range, and lastly sharper images with 520TV lines. It is simply and genuinely a perfect answer in surveillance to a vast range of most demanding locations.



Super Clear Image of 5

The SDZ-330 achieves enhanced resolution of 520TVL, de-mosaic color reproduction algorithm, and extra sharp effects, which is perfect for low-light circumstances because it enables the camera to 'see' clearly in the dark and even peer through clouds or fog.



Normal



Superior Low Light Performance of **0.4Lux**@F1.6 in Color Day & Night with ICR

The SDZ-330 camera achieves a minimum illumination of an incredibly low 0.4Lux @ F1.6 in color and an amazing 0.01Lux @ F1.6, which ensures that the camera can recognize subjects even in the extreme dark. It also has day and night (ICR) capability, and gives colors even in significantly low light conditions at full frame-rate when other cameras already show B/W images.



Day



Night, Normal



Night, 30X

Camera

520TVL with Powerful Zoom

520TVL lines with color sensor. The SVIII DSP implements adaptive processing to extract more fine details from each pixel without the typical aliasing artifacts.



30X



60X (Digital 2X)

30X zoom

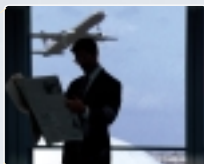


126X Outstanding Wide Dynamic Range

The SVIII carries out an precise multiple histogram-based image analysis to ensure the highest level of performance not only for ultra-low-light imaging, but for wide dynamic range applications. This realizes a 126 times extended dynamic range which is equivalent to an outstanding dynamic range of 52dB.



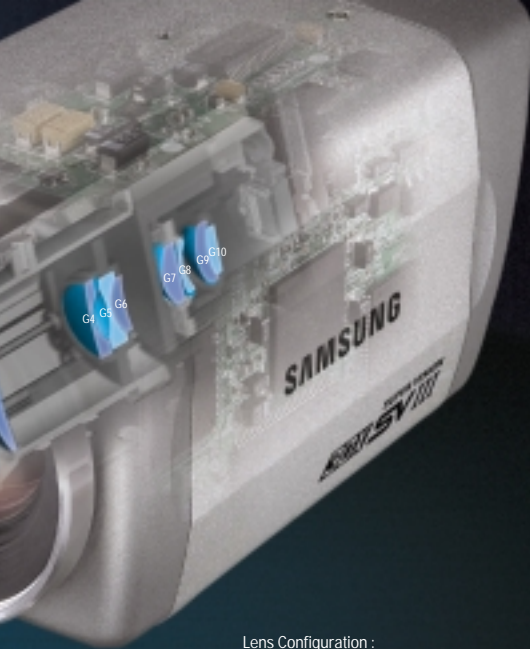
Normal



Normal, 30X



WDR, 30X



- Lens Configuration :
- 10 Elements in 7 Groups with 2 Aspherical Lenses
 - Excellent Lens Brightness Ranging From 1.6 to 3.2
 - Compact total size of 78.32mm

Limitations for Image Surveillance Easy & Powerful Zooming Control

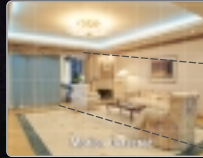


30X Unmatched Optical Zoom Lens

The SDZ-330 camera combines high resolution imaging and a built-in lens in a compact package. The SDZ-330 comes equipped with the world's best 30X optical auto focus zoom lens, which provides an overall motorized zoom capability of 240 times with a built-in 8X digital zoom. The unit enables to achieve clear and crisp images with high resolution. The net focal rate yields an incredibly long focal length of 3.3 to 99.0mm, which makes it possible to easily overcome the limitations on the distance of the images surveyed.



Motion Detection

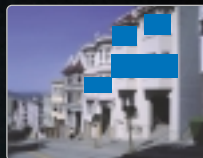


The unit transmits alert signal when it detects a motion of an object on the screen. If the camera is connected with an external alarm, user can pay attention to the screen when it sounds alarm.

Motion Detected



Privacy Zone Masking



For the protection of privacy, users can set a masking area up to eight areas not to be under surveillance. Users can easily configure the size and position of the required privacy zones.



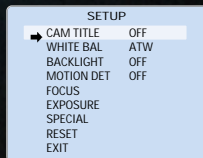
Excellent Auto White Balance



Samsung's automatic white balance technology makes a true color image without tending to be red or blue color. The unit provides exceptional automatic white balance capability of 1,800°K to 10,500°K of color temperature.



Easy On Screen Display



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



OSD functions

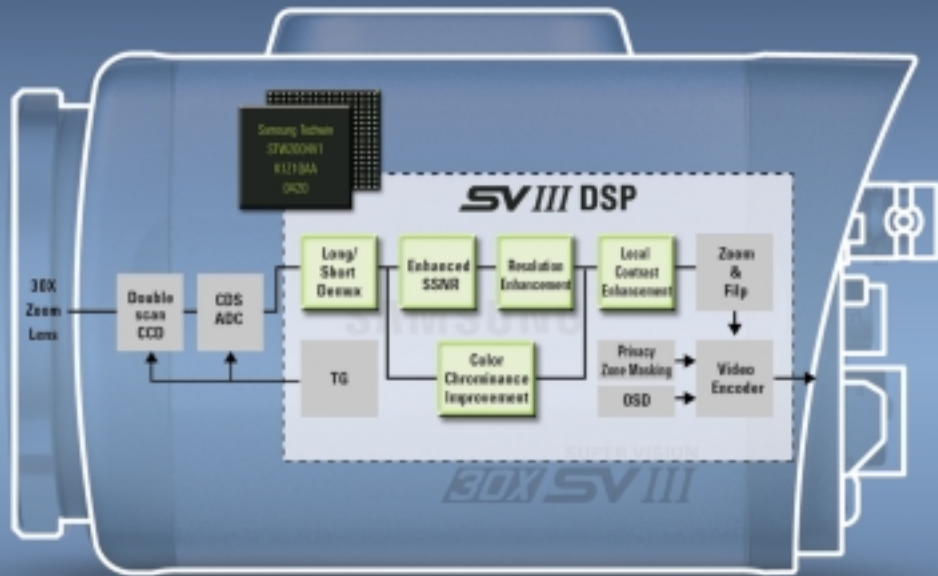


Digital Flip

The digital flip feature turns the image horizontally and vertically for continuous viewing of any subject.

SVIII DSP System,

The Ultimate Solution for All Time Crisp Pictures



The **SVIII** DSP integrates a range of state-of-the-art technologies successfully into a single DSP system. It implements a powerful motion adaptive 3D filtering sensitivity technology, an adaptive demosaic color reproduction algorithm, advanced local contrast enhancement techniques, a unique color metering for the extended white balancing range and lastly a multiple histogram-based image analysis for wider dynamic range. This breakthrough DSP technology produces much clearer and better-defined images under 'any' lighting conditions.

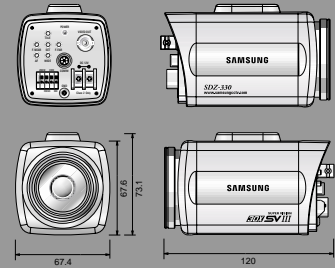
High Sensitivity, Day & Night
30X Zoom Color Camera

SDZ-330

Specifications

| Model | SDZ-330N | SDZ-330P |
|----------------------------------|--|--|
| Power Source | 12V DC (±10%) | |
| Input Current | 300mA : Steady-state | |
| Power Consumption | 450mA : Max. (Zoom, Focus, Day & Night motor operating) | |
| Imaging Device | 3.6 W : Steady-state | |
| Total Pixels | 811(H) x 508(V) | 795(H) x 596(V) |
| Effective Pixels | 768(H) x 494(V) | 752(H) x 582(V) |
| Zoom Ratio | 30X, f=3.3 to 99.0mm (F 1.6 to 3.2) | |
| Min. Focus Distance | 1000mm | |
| Digital Zoom | 2X, 4X, 8X | |
| Angle Field of View | Horizontal : Appr. 58.0°(Wide) to 2.22°(Tele) Vertical : Appr. 44.8°(Wide) to 1.68°(Tele) | |
| Scanning System | 2 : 1 Interlace | |
| Synchronization System | Internal / Line lock | |
| Scanning Frequency | Horizontal : 15.734 KHz Vertical : 59.94 Hz | Horizontal : 15.625 KHz Vertical : 50.00 Hz |
| Camera Title | On / Off (Displayed 20 characters) | |
| Camera ID | 255 ID selectable | |
| Resolution | 520TV Lines(Min.) : Color / 570TV Lines(Min.) : B/W | |
| Video Output | CVBS : 1.0Vp-p / 75Ω | |
| S/N (Y signal) | 50dB (AGC off, Weight on) | |
| Min. Illumination | 0.4Lux, F1.6 (50 IRE) : Color / 0.01Lux, F1.6 (50 IRE) : B/W | |
| WDR | 52dB | |
| Day & Night | Auto / Manual (Color, B/W) (ICR type) | |
| Gain Control | Low, Middle, High, Off selectable | |
| White Balance | ATW / AWC / Manual (1800°K ~ 10,500°K) | |
| Electronic Shutter | Auto / Manual (1/60 ~ 1/120,000sec) | Auto / Manual (1/50 ~ 1/120,000sec) |
| OSD | Built-in | |
| Motion Detection | On / Off (Output via terminal) | |
| SSNR | Low, Middle, High, Off | |
| Focus | Auto / Manual / One push | |
| Zoom Speed | 5.2sec : Wide to Tele | 5.4sec : Tele to Wide |
| Lens Initialization | Built-in | |
| Preset | 8-Positions | |
| Privacy Function | On / Off (32 Programmable zone / 8 Programmable zone per screen) | |
| Flip | Left / Right, Up / Down | |
| Freeze | On / Off | |
| Iris | Auto / Manual | |
| Control Output | RS-485 (9,600bps, 19,200bps, 384,000bps selectable) / External control by voltage (Zoom, Focus) | |
| Operating Temperature / Humidity | -10°C ~ +50°C / 20% ~ 80% RH | |
| Dimension | 67.4(W) x 67.6(H) x 120(D)mm | |
| Weight | 450g | |
| Option | System controller, Remote controller (RS-485 type, Cable length 3m) | |

Dimensions



Rear Panel



Optional Controller



www.samsungcctv.com

Design and specifications are subject to change without notice.



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