

SOC-4030



Enhanced Performance & Ease of Installation

High Resolution Day & Night Built-in Varifocal Lens Camera

SOC-4030



- Built-in auto iris 3X varifocal lens (f 3-9mm)
- High resolution of 530TV lines
- Day & Night capability, High sensitivity of 0.002Lux
- Unique SSNR, super noise reduction technology
- OSD, Privacy masking, Motion detection



SAMSUNG



Installation has never been easier and quicker!

SOC-4030, New high resolution day & night camera with built-in varifocal lens

Versatile, compact and stylish sums up the **SOC-4030** high resolution day & night camera with built-in varifocal lens. The built-in 3X (f 3-9mm) varifocal lens covers a wide range of viewing angles, making this camera the perfect surveillance solution for a variety of applications, in particular small retail stores, hotels, restaurants, shopping centers and car parks. The **SOC-4030** is able to capture crisp clean images in light levels as low as Max. 0.002Lux using WINNER^{III}, proprietary DSP technology and unique SSNR noise reduction technology and a outstanding horizontal resolution of 530TV lines can be achieved using a high performance Super HAD CCD. Complete with easy to use on screen menu, intelligent motion detection technology, privacy masking, auto white balance and auto gain control, the **SOC-4030** delivers sharp, high quality images in almost any environment.

Stylish Design, Easy to install



Built-in Auto Iris **3X** Varifocal Lens



3X Zoom

The SOC-4030 is equipped with 3X varifocal lens which has focal length from 3 to 9mm at F1.2. Owing to this built-in lens, there is no need to fit a separate lens. This high-resolution-day & night camera's auto iris and manual varifocal lens ensures multiple angles of view, easy installation. Users can easily adjust the focal length and focus at the top panel of the camera. The built-in lens allows the camera to have a wider viewing range, making it suitable for use in a variety of applications.



The camera's compact form simplifies assembly reducing set-up times. And its sleek and stylish design makes it the ideal choice for today's modern environments such as building entrances, retail stores, and shopping malls. This camera will keep your location secure.



Sharp clear images

High resolution of **530TV** lines



Conventional camera

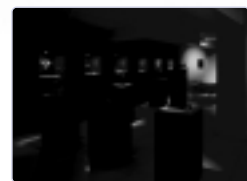


SOC-4030

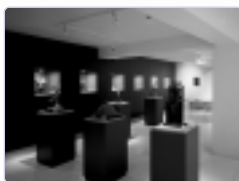
The SOC-4030 ideally combines advanced Samsung optics, a high performance Super HAD CCD and WinnerIII, a newly developed professional DSP engine in order to deliver ultra clear image of a horizontal resolution of 530TV lines. High signal-to-noise ratio of 50 dB also provides strong video signal for enhanced picture quality.

Around the clock Surveillance

Excellent sensitivity of **0.002Lux**, Day & Night



Conventional camera



SOC-4030

The SOC-4030 ensures high resolution color images down to an 0.3Lux @ F1.2 in daytime and when light levels fall even to a certain level the camera automatically switches to monochrome mode. Especially the unit boasts outstanding sensitivity of as low as 0.002Lux for excellent low light operations in color using Sens-up function (Max. 128X). The SOC-4030 is an excellent choice for various indoor applications, where there is a severe illumination change.

Unique noise reduction technology

SSNR, Max. **70%** DVR Disk Saving Effect

Disk Saving Effect



84.032 Bytes

100%

Conventional camera



25.803 Bytes

30%

SOC-4030

When lighting levels are low, SSNR dramatically reduces both random and fixed noise and at the same time produces a high signal to noise ratio and no ghost effect. An additional benefit of this technology is the reduced file size of recorded images. A DVR's recorded file size is reduced by a massive 70% when using a MPEG format and by 40% when using a JPEG format.

Removing Picture Noise



Conventional camera



SOC-4030

*SSNR : Samsung Super Noise Reduction



Other intelligent Features



Easy to use **OSD** menu / Camera **ID** Setting



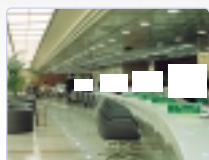
| SETUP | |
|------------|--------|
| → LENS | DC |
| SHUTTER | -- ↓ |
| WHITE BAL. | ATW |
| BACKLIGHT | MIDDLE |
| AGC | MIDDLE |
| SSNR | LOW |
| SENS-UP | AUTO |
| SPECIAL ↓ | |
| EXIT | |

OSD functions

The unit supports user-friendly on-screen display capability for improved ease of operation. Users can use the camera identification (CAMERA ID) to assign a name to the camera. The camera ID consists of up to 15 alphanumeric characters.



Privacy Zone Masking



When the SOC-4030 is observing a wide area, the captured images can be “masked” for privacy purposes. Users can easily configure the size and position of the required privacy zones.



Wide Range Automatic White Balance



SOC-4030's automatic white balance technology allows true color images without tending to be red or blue, which covers extensive color temperature range of 1,800°K ~ 10,500°K.



Intelligent Motion Detection



This versatile camera is also equipped with the internal ability to detect motion in the scene they are viewing. This functions enables users to react quickly to a potential danger.

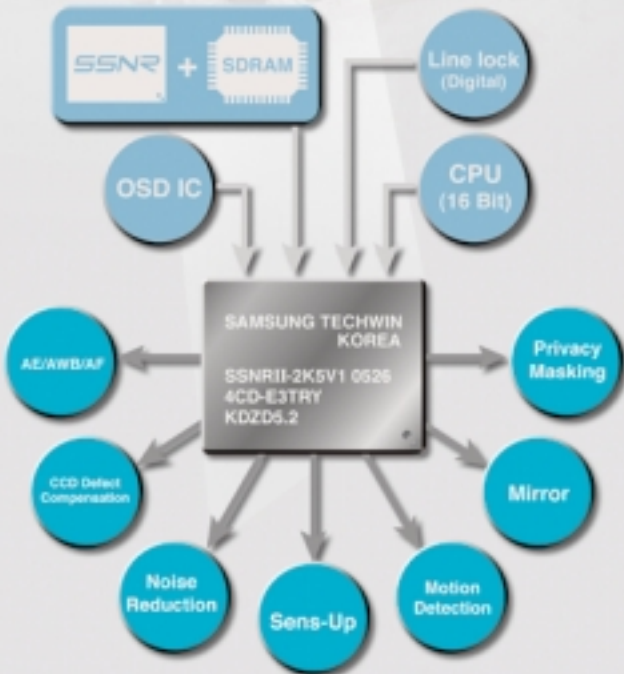
Motion Detected



Highly integrated camera engine

WIII DSP chip

At the heart of the SOC-4030 is **WINNERIII**, a proprietary powerful new DSP engine that allows ultra high resolution surveillance images and various intelligent functions at the same time. The New WIII DSP succeeds in integrating **SSNR**, Samsung's renowned noise reduction technology with 16-bit high speed CPU, which realizes genuine cost effectiveness of the camera.



High Resolution Day & Night Built-in Varifocal Lens Camera

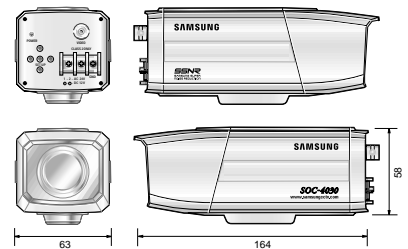
SOC-4030



Specifications

| Model | SOC-4030N | SOC-4030P |
|-----------------------|---|--|
| Power Source | 24V AC 10% / 12V DC 10% compatible | |
| Power Consumption | Max. 3.5W | |
| Total Pixels | 811(H) x 508(V) | 795(H) x 596(V) |
| Effective Pixels | 768(H) x 494(V) | 752(H) x 582(V) |
| Image Pick-up Device | 1/3" Super HAD CCD | |
| Scanning System | 2 : 1 Interlace | |
| Scanning Frequency | 15.734KHz(H) / 59.94Hz(V) | 15.625KHz(H) / 50.00Hz(V) |
| Synchronization | INT / LL selectable 0 ~ 359° (Adjustable) | |
| Resolution | 530TV lines | |
| Video Output | 1.0Vp-p / 75Ω (Video : 0.714Vp-p, Sync : 0.286Vp-p) | 1.0Vp-p / 75Ω (Video : 0.7Vp-p, Sync : 0.3Vp-p) |
| S/N Ratio | 50dB (AGC off, Weight on) | |
| Min. Illumination | 0.3Lux @ F1.2, 0.002Lux @ F1.2 (Sens-up 128X) | |
| Day & Night | On / Auto selectable | |
| BLC | Built-in | |
| Gain Control | Off / Low / Middle / High | |
| White Balance | ATW / AWC / Manual selectable (1800°K ~ 10,500°K) | |
| Electronic Shutter | Auto / Manual (1/60 ~ 1/120,000sec) | Auto / Manual (1/50 ~ 1/120,000sec) |
| Sens-up | Off / Auto (2X ~ 128X) | |
| OSD | Built-in | |
| Motion Detection | On / Off (4 Programmable zone, Screen display) | |
| SSNR | Off / Low / Middle / High (Noise control) | |
| Mirror | On / Off (Horizontal image inversion) | |
| Privacy Function | On / Off (4 Programmable zone) | |
| Lens Type | 3X Auto Iris Vari-focal lens (F1.2, f3 ~ 9mm) | |
| Max. Aperture Ratio | 1 : 1.2 ~ 2.1 | |
| Viewing Angle | H : 31.8°(Tele) ~ 90.0°(Wide) / V : 23.9°(Tele) ~ 66.2°(Wide) | |
| Operating Temperature | -10°C ~ +50°C | |
| Operating Humidity | 30% ~ 90% RH | |
| Dimension | 63(W) x 58(H) x 164(D)mm | |
| Weight | 310g | |

Dimensions



Rear Panel



www.samsungcctv.com

Design and specifications are subject to change without notice.



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