

Product Overview

WiseNet III

SNB-6004

2 Megapixel Full HD Network Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- Simple focus, P-Iris
- Day & Night (ICR), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming



SNB-6003

2 Megapixel Full HD Network Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- P-Iris
- Day & Night (Electrical), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming



SND-6084

2 Megapixel Full HD Network Dome Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- 3~8.5mm (2.8x) motorized varifocal lens
- Simple focus
- Day & Night (ICR), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming



SND-6083

2 Megapixel Full HD Network Dome Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- 3~8.5mm (2.8x) varifocal lens
- Day & Night (Electrical), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming



SND-6084R

2 Megapixel Full HD Network IR Dome Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- 3~8.5mm (2.8x) motorized varifocal lens
- Simple focus
- Day & Night (ICR), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming



SNO-6084R

2 Megapixel Full HD Weatherproof Network IR Dome Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- 3~8.5mm (2.8x) motorized varifocal lens
- Simple focus
- Day & Night (ICR), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- IP66, IK10



SNV-6084R

2 Megapixel Full HD Vandal-Resistant Network IR Dome Camera

- Max. 2M (1920x1080) resolution, Full HD support
- 60fps @1920 X 1080
- 3~8.5mm (2.8x) motorized varifocal lens
- Simple focus
- Day & Night (ICR), Enhanced DIS, Defog
- WDR (100dB†, 30fps @ WDR mode)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- IP66, IK10



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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iPOLiS,
Your Smart Security Solution

WiseNet III

THE WISE CHOICE FOR PROFESSIONALS



[Professional Megapixel network cameras]
[Professional Megapixel network cameras]

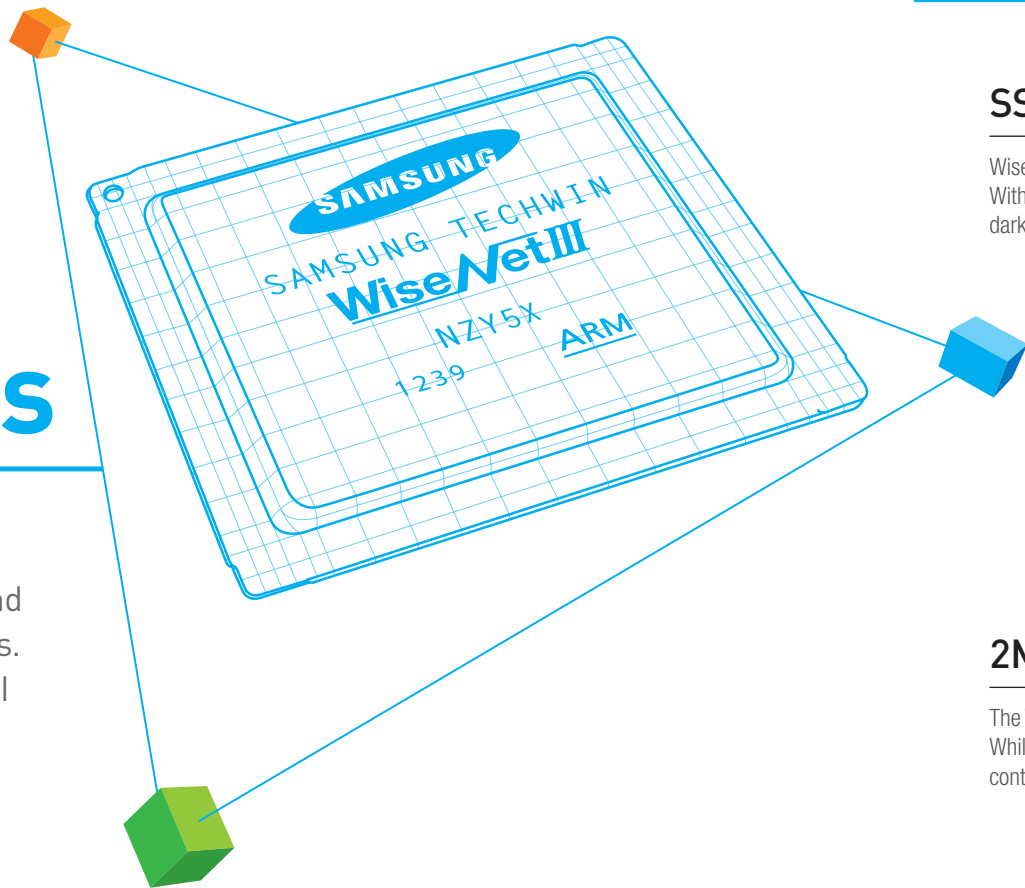


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The Wise Choice for Professionals

The WiseNetIII features the most advanced functions from Samsung with 1.3 megapixel and 2 megapixel cameras for high definition images. Designed to meet the market needs, WiseNetIII cameras will be the standard product for the professional security systems.

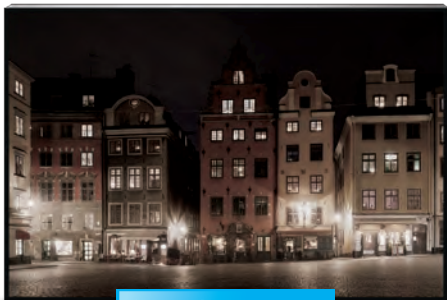


	Unrivaled Image Quality	- SSLE (Samsung Super Light Enhancer) - 100dB WDR - Defog - Enhanced DIS - P-Iris
	Efficient Network Transmission	- 60fps @ 2 Megapixel resolution - Improved bandwidth utilization - Multi-crop Streaming
	User Convenience	- Simple focus - NPAPI Plug-in for Web Browsers - Convenient installation - Motion/Audio/Face detection
	Network Total Solution	- Samsung Total Network Solution

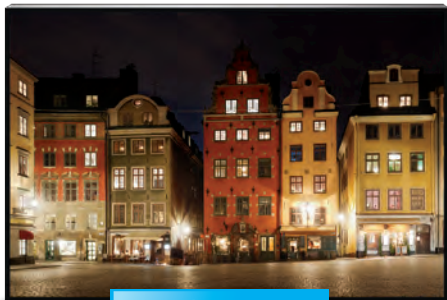
Unrivaled Image Quality

SSLE (Samsung Super Light Enhancer)

WiseNetIII range cameras incorporate with SSLE, Samsung Super Light Enhancer technology, which produce great color images in low light condition. With SSLE, even under low light conditions such as at night users can monitor the scene in 2 megapixel, so that there is little chance of any movement in dark areas being missed.



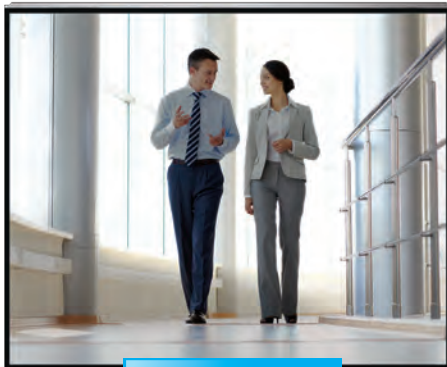
Conventional cameras



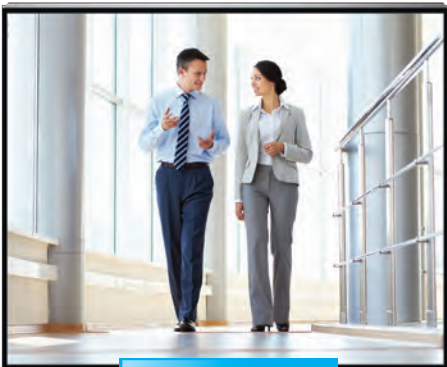
WiseNet III

2MP 100dB WDR (Wide Dynamic Range)

The WDR function built into the WiseNetIII series provides 30fps of 2MP enhanced picture quality, by reducing motion blur and processing clearer images. While working with a contrast ratio of approximately 100dB the WDR feature accurately reproduces the detail of the images in scenes that simultaneously contain very bright and very dark areas.

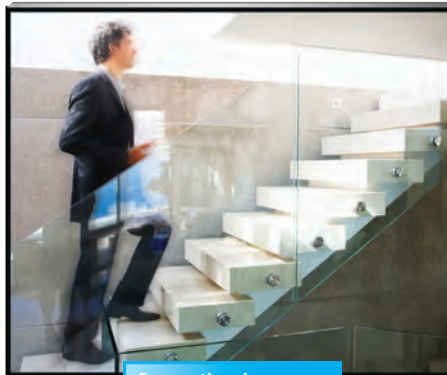


Conventional cameras

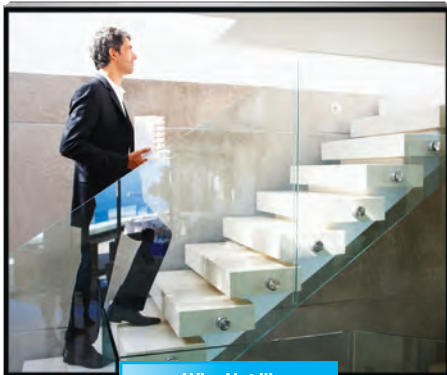


WiseNet III

(Enhanced image quality)



Conventional cameras



WiseNet III

(Without motion blur)

Unrivaled Image Quality

WiseNet III

Defog

Defog can be used to help improve the captured image in poor weather conditions such as smog, fog, or smoke. The visibility of the cameras can be enhanced in any weather condition.



Enhanced DIS (Digital Image Stabilization)

Previously only seen in analog CCDs, Samsung's new WiseNetIII CMOS sensor now incorporates Digital Image Stabilization (DIS) technology, this negates the effects of a camera shaking due to high wind or building vibration. DIS also greatly reduces the rolling shutter effect such as image wobble or skew that can often be seen in high quality images. With enhanced DIS technology, the problems of monitoring using a camera installed on a pole or in windy conditions can be reduced. This also assists in the capture/detection of fast moving car number plates.



P-Iris

The WiseNetIII box cameras supports the P-Iris system, which optimizes the iris function when multiple lighting conditions exist in a single scene, this results in images with better contrast, clarity, resolution and depth of field. The optimization of the resolution at both the center and corner of the image, as well as the depth of field and shutter speed, provide increased image sharpness especially effective in megapixel cameras such as the WiseNetIII series.



Efficient Network Transmission

WiseNet III

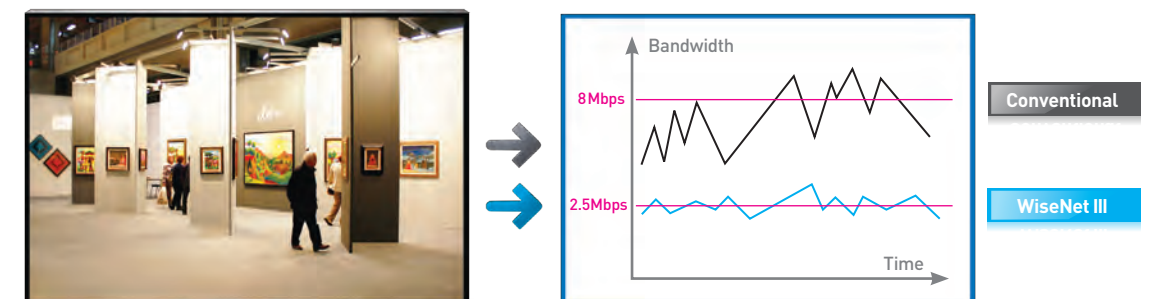
60fps @ 2 Megapixel resolution

From Samsung Techwin's powerful WiseNetIII encoding technology, the cameras have an ultra fast framerate of 60fps at 2 megapixel 1080p resolution, this results in latency free clear images. It is possible to utilize this framerate in multiple ways. For example, using 60fps at 2 megapixel 1080p resolution, can be particularly beneficial when viewing moving objects to ensure that any edges are kept sharp and clear. By dividing the framerate between the NVR and PC monitoring, users can both record and monitor the scene at real-time.



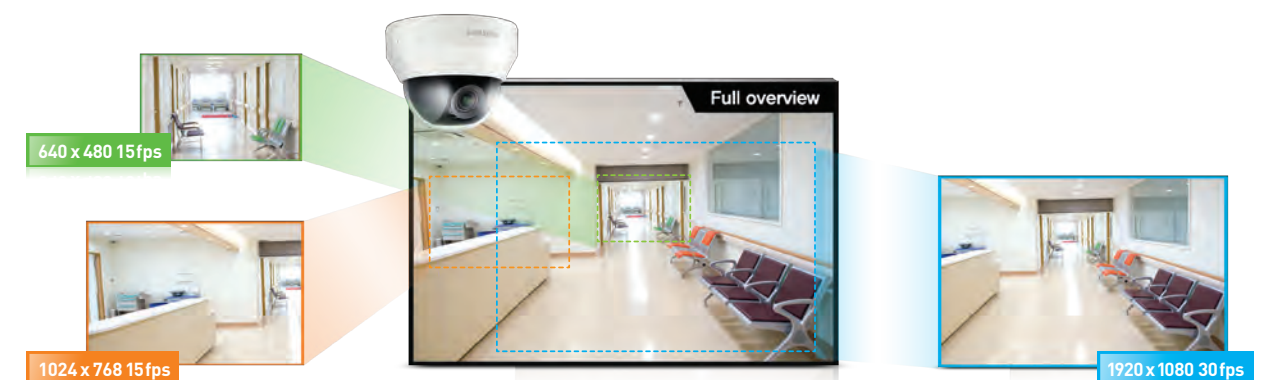
Improved bandwidth utilization

By applying an advanced compression technology, the WiseNetIII network camera's streaming performance is greatly enhanced. The cameras can process the data streaming using 30% of the network bandwidth of other products. Because of this improved bandwidth technology, seamless image transfer is possible even when there is limited network bandwidth available, with the additional benefit is improved storage efficiency.



Multi-crop streaming

Multi-crop streaming, allows users to highlight/crop areas of the scene so that only those areas of interest will be transmitted from the camera in a predetermined resolution and framerate. This flexibility in the video's resolution and framerate allows a much smarter and efficient use of the network's bandwidth, resulting in reduced data size and storage capacity.



User Convenience

WiseNet III

Simple focus

Simple Focus, Samsung's automatic focus technology allows the camera to move the image sensor's position in box cameras, while in dome cameras a motorized varifocal lens with a remote control function will control these adjustments.



For WiseNetIII ranges of box and dome cameras, users can also adjust the optimal focus remotely via the network, greatly reducing the installation / optimization time of the camera.



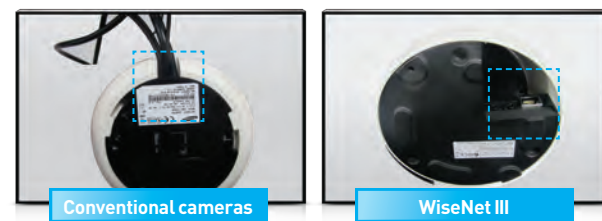
Multi-browser support

WiseNetIII cameras utilized NPAPI(Netscape Plugin Application Programming Interface) this plug-in architecture removes the limitation on supporting resolution and web-browser types, which had caused problems with other network cameras. NPAPI is designed to satisfy both sides, the operating system and a solution for adopting Samsung Techwin's optimized security system codec. Utilizing NPAPI, Google Chrome, Safari, Firefox, and IE can be used to monitor the WiseNetIII cameras.



Easy installation

WiseNetIII dome cameras are pigtail and cable bundle free (in the past these bundles had often made the installation more complicated and time-consuming), yet provide the option to plug-in cables as required in an area that allows ample room for cable movement making it more convenient, improve installation time and total cost of ownership.



Motion/Audio/Face detection

Motion detection technology built-into WiseNetIII greatly reduced the false alarm rate and greatly improved the efficiency of the operators, by learning what is the normal motion of the scene it can ignore it, such as waves in the sea or the leaf movement of trees. This technology has also been adopted for audio detection, so that the camera will only recognize abnormal noise levels. Face detection is also available and will detect up to 35 faces in the scene, these will be listed on the NVR as separate events for quick recall.

Motion detection



Audio detection



Face detection



Network Total Solution

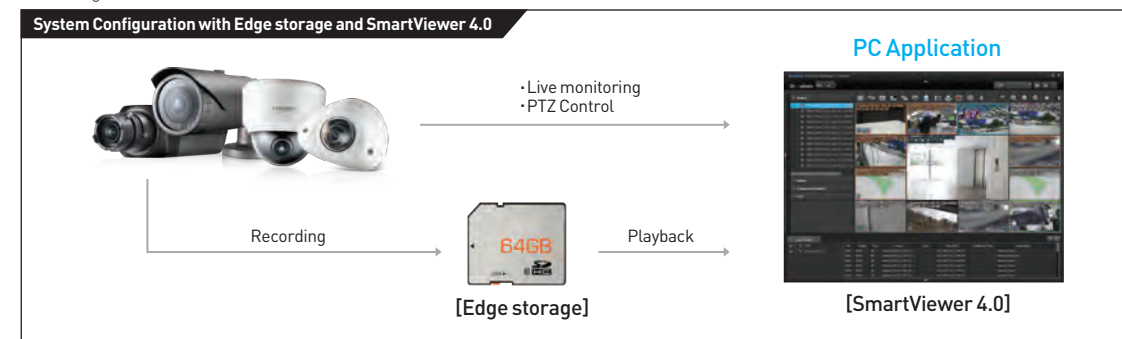
WiseNet III

Samsung Network Products Solution

The WiseNetIII cameras have been designed to be compatible with existing Samsung Techwin mobile, storage, and camera monitoring software.

Small application

For the small application, users can use edge storage as a recording solution, SmartViewer CMS for management and iPOLiS mobile for Smartphone monitoring.



System Configuration with NVR and mobile viewer



Mid/Large system

For the mid/large application, hardware/software NVRs can be used as the recording solution while Samsung Security Manager (SSM) can be used as the monitoring/management software.

