

3MP Professional

NETWORK Camera series

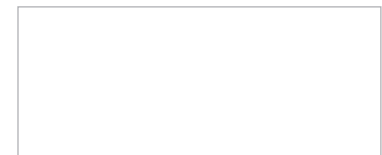
iPOLiS,
Your smart security solution



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Progressive Technology, Enhanced Cameras



Samsung Techwin's 7002 series network cameras are designed specifically to serve an advanced monitoring solution.

The 7002 cameras have **3 megapixel**, **Full HD resolution** and progressive technology to enhance the cameras' features, these include; an **advanced WDR (Wide Dynamic Range)** providing unbeatable colour reproduction and resolution in high contrast scenes and a **Simple Focus** that enables automatic focusing when the camera mode is switched from colour to B/W.

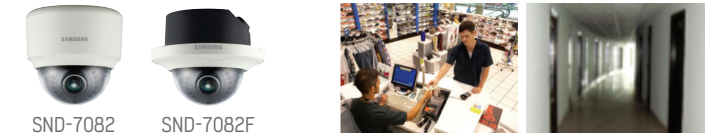
The network cameras are supported by an array of third party VMS integration providers, allowing customers to benefit from flexibility and choice.

Customers can also create an efficient security solution by combining the cameras with Samsung's NVRs and CMS (Centralized Monitoring Software).

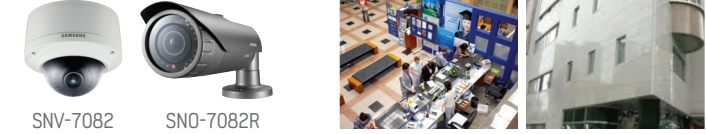
High Resolution, 24/7 surveillance



Indoor environment



Outdoor environment, High durability



FULL HD 3MP
Designed for an advanced monitoring solution with 3 megapixel, Full HD resolution

Enhanced WDR
WDR without motion blur in high contrast scene

Simple Focus
Auto focusing at the push of a button, which reduces installation time drastically

Product Features

Advanced Wide Dynamic Range

The WDR functions are built into the 7002 series and provide enhanced image quality. It features 30/20 fps of frame rate at 2/3 megapixel WDR mode, which reduces motion blur and users can see clearer images, even in contrast scenes.



WDR mode at conventional cameras
(motion blur)



WDR mode at 7002 series
(without motion blur)

The WDR produces a contrast ratio of approximately 96dB and accurately produces images for scenes that simultaneously contain very bright and very dark areas.



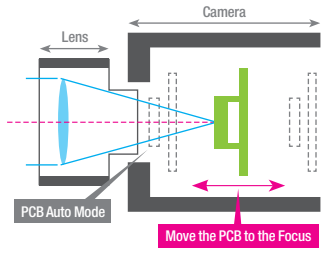
WDR mode at conventional cameras



WDR mode at 7002 series
(Enhanced image quality)

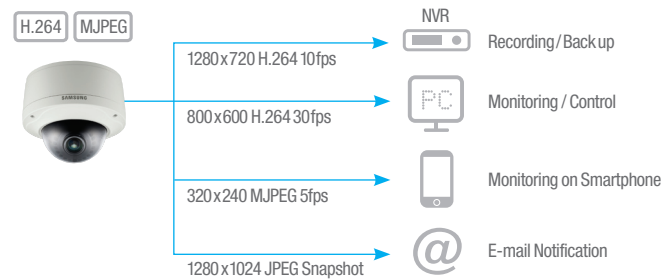
Simple Focus

Simple Focus refers to Samsung's technology that automatically focuses the camera by moving its image sensor position. In the 7002 series users can adjust the optimal focus resulting in installation time being greatly reduced, with one simple push of a button. When the camera mode changes from colour to B/W with the Day & Night function, the Simple Focus optimizes the back focus required for clearer sharper images.



Dual Codec & Multiple Streaming

The 7002 series cameras support H.264/MJPEG dual codec and multiple streaming capabilities. Users can select the relevant codec to suit their individual requirement, such as, real-time monitoring, high-quality or high-efficiency recording, mobile monitoring and E-mail notification.



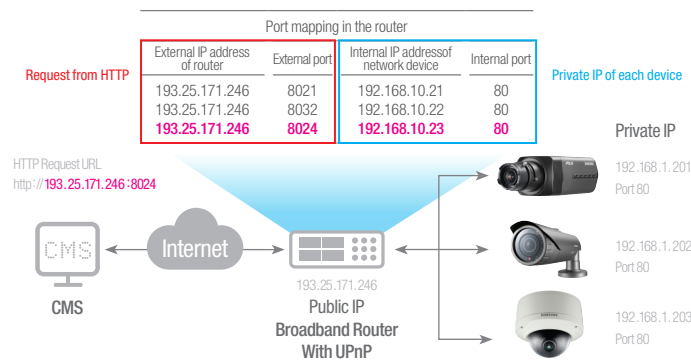
Intelligent video analytics

Intelligent Video Analytics on the 7002 series includes: Motion Detection, which detects when a change has occurred in predefined areas in the field of view, Appear/Disappear function that can detect the movement of an object, Virtual Line/Enter/Exit functions, which detect if a breach has occurred in a predefined area and Tampering detection that automatically alarms when a camera is disrupted. It also supports face and audio detection with which audio detection users can detect the event beyond a camera's field of view.



uPnP (Auto Port Forwarding)

Built-in uPnP (Universal Plug and Play protocol) function provides port forwarding, making it easier to integrate a device into a network. The 7002 series network cameras support uPnP that enables the router to configure a unique port number with a network camera without the need to set a port number for each camera manually.



Product Overview

Common Features



- 3MP (2048x1536) & Full HD resolution
- H.264, MJPEG dual codec
- Simple Focus
- WDR (96dB) 20fps @ 2MP
- Face Detection, Audio Detection
- UPnP (Auto Port Forwarding)

SNB-7002

Box Camera



SND-7082

Dome Camera

- 2.8x motorized varifocal lens (3 ~ 8.5mm)



SND-7082F

Flush Dome Camera

- 2.8x motorized varifocal lens (3 ~ 8.5mm)
- Flush type



SNV-7082

Vandal-Resistant Dome Camera

- 2.8x motorized varifocal lens (3 ~ 8.5mm)
- IP66, IK10



SNO-7082R

Weatherproof IR Camera [Preliminary]

- 2.8x motorized varifocal lens (3 ~ 8.5mm)
- Min. illumination 0 Lux (IR LED on)
- IP66

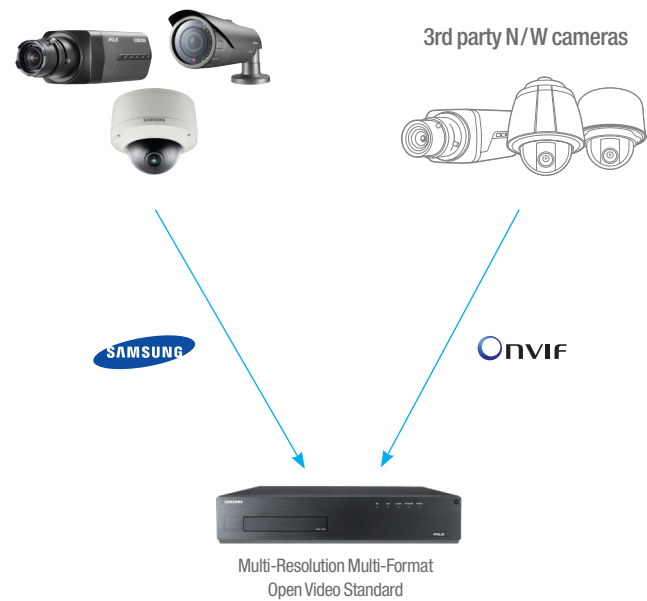


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Product Features

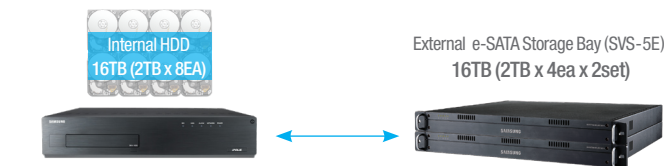
Flexible Recording Capability

The SRN-1000 supports up to 100Mbps recording. It features a wide range of resolution recording capability from VGA to 5 megapixel, and H.264, MPEG4 and MJPEG multi format compression. The SRN-1000 can be connected to third party network cameras, which are compatible with ONVIF.



Large Capacity Storage

The SRN-1000 is complete with large storage capacity - up to 2ea SVS-5E, Samsung's external HDD extension unit can be attached to the e-SATA external storage bay (2ea) expanding the storage capacity to 24TB. When it is combined with 3TBx8ea of Internal HDDs the storage capacity of the SRN-1000 can be increased to 48TB.



Resolution		H.264 CBR Bitrate (Mbps, *1)	Camera Q'ty	Recording B/W	Recording dayswith SVS-5E (*2)
VGA	(640 x 480)	Factory Default Setting	2	50ch	100
		Max	5	20ch	100
1.3M	(1280 x 1024)	Factory Default Setting	5	20ch	100
		Max	10	10ch	100
3M	(2048 x 1536)	Factory Default Setting	10	10ch	100
		Max	15	6ch	90
5M	(2560 x 1920)	Factory Default Setting	15	6ch	90
		Max	30	3ch	90

*1. Tested with Samsung N/W cameras : H.264, CBR, High profile, and CAVLC setting
*2. With 32TB storage (16TB Internal HDDs (2TB x 8ea)) + 16TB external storage (2ea x SVS-5E)

Smart Searching

The smart searching function enables the sorting of the recorded video by event including tampering and audio detections, both of which can be easily searched for from the record data on the SRN-1000.



Searching mode via NET-i viewer

No.	Entry	Storage	Type	Start Time	Stop Time	Description
1	SS.101.57.23.554-16CH-01	Remote	Motion	2012/07/05 00:00:00	2012/07/05 10:19:08	
2	SS.101.57.23.554-16CH-03	Remote	Motion	2012/07/05 00:00:00	2012/07/05 10:19:08	
3	SS.101.57.23.554-16CH-04	Remote	Motion	2012/07/05 00:00:00	2012/07/05 10:19:08	

Remote Monitoring

Samsung's NVRs are perfect for flexible remote monitoring. This can be done through a built-in web-viewer or Samsung's CMS including NET-i viewer and SSM. NET-i viewer is licence free software and be used on an unlimited amount of Samsung NVR products and can be downloaded from Samsung Techwin's website. Also, through built-in web-viewer users do not have to install any proprietary software



Product Overview

SRN-1000



NVR (Network Video Recorder)

- Up to 64CH support
- 100Mbps network camera recording
- H.264, MPEG-4 & MJPEG support
- VGA~5 megapixel resolution
- Max 8 internal HDDs
- Easy camera installation
- Various event record & search function(alarm, MD, VA)
- Support multi-stream cameras and encoders
- Embedded linux system
- Onvif device recording support

