**OUR SERVICE
IS
OUR TECHNOLOGY**

Why SAMSUNG?

- Brand Recognition
- Only Video company with total solution
- Lowest Price of Any Major Manufacture
- Best Quality and feature rich Cameras
- Open Platform Compliant

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Samsung offers Total Video Package

- Full Range of IP Cameras .5M,1.3M, 3M
- Full Range of Analog Cameras
- NVRs, DVRS, and encoders
- Layer 2, Layer 3 Network Switches
- LCD, and new LED Monitors up to 17"-40"
- New Enterprise Samsung Security Management software
- Large Scale Storage solutions

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Best Quality and feature rich Cameras

- Samsung developed and designed own DSP chips
- Edge based analytics and storage
- Multicasting
- Analog output for hybrid systems
- Bi-directional audio on all cameras
- Full ONVIF Compliance

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Network DSP Roadmap

5 Mega
WDR,SSDR, SSNRIII
H.264, MJPEG
Defog, Face Detection
Audio Detection

3 Mega (Full HD)
WDR,SSDR, SSNRIII
H.264, MJPEG
Smart Codec

1.3Mega (HD)
SSDR,SSNRIII
Video Analytics
H.264,MPEG4,MJPEG

WiseNet

WiseNet II

WiseNet III

2010

2011

2012

iPOLiS
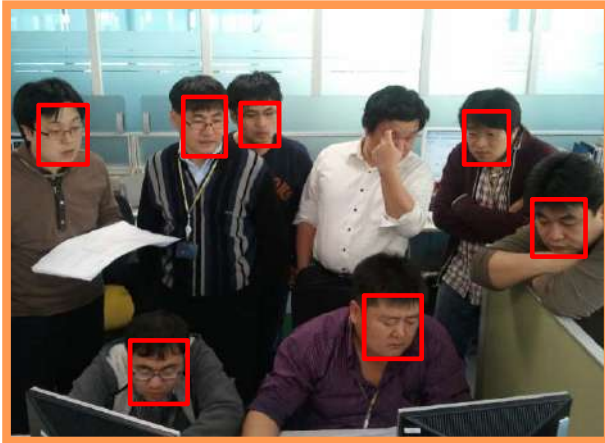
Video Analytics – WiseNet S

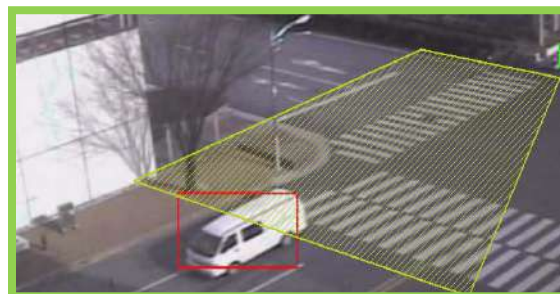## WiseNetS (1001 series)

Face Detection

Scene Change
(Tampering)

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Video Analytics - WiseNet

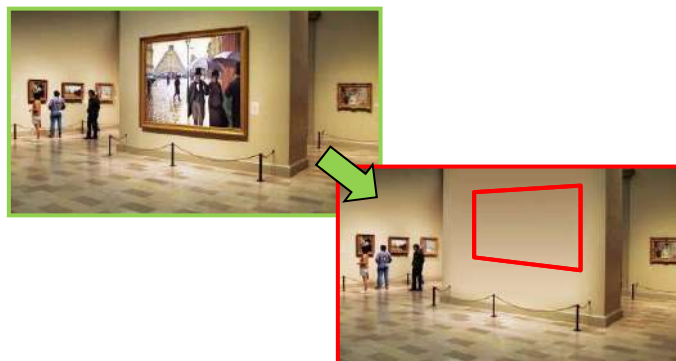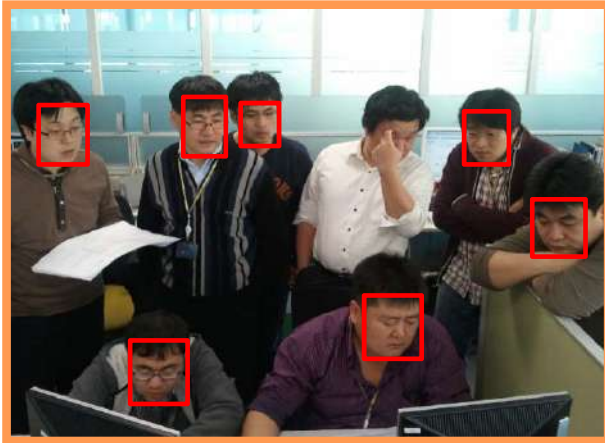## WiseNet (5000 series)

Virtual Line Detection

Enter/Exit Detection

Scene Change
(Tampering)

Appear/Disappear
Detection

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Video Analytics – WiseNet 2

Face Detection

Scene Change
(Tampering)

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Video Analytics – WiseNet 2

WiseNet 2 (7000 series)

• **Smart Codec technology** allows users to define an area of interest to compress video at higher quality compared to the rest of the area, which allows for lower bandwidth and storage requirements.

Region of interest

Normal Compressed Image

Lower Quality

Higher Quality

Smart Compressed Image

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Video Analytics – WiseNet 2

•Face Detection with Smart Compression

**Compressed
Low Bitrate**

Original

SMART Codec

**Compressed
Low Bitrate with smart
compression tied to
face detection**
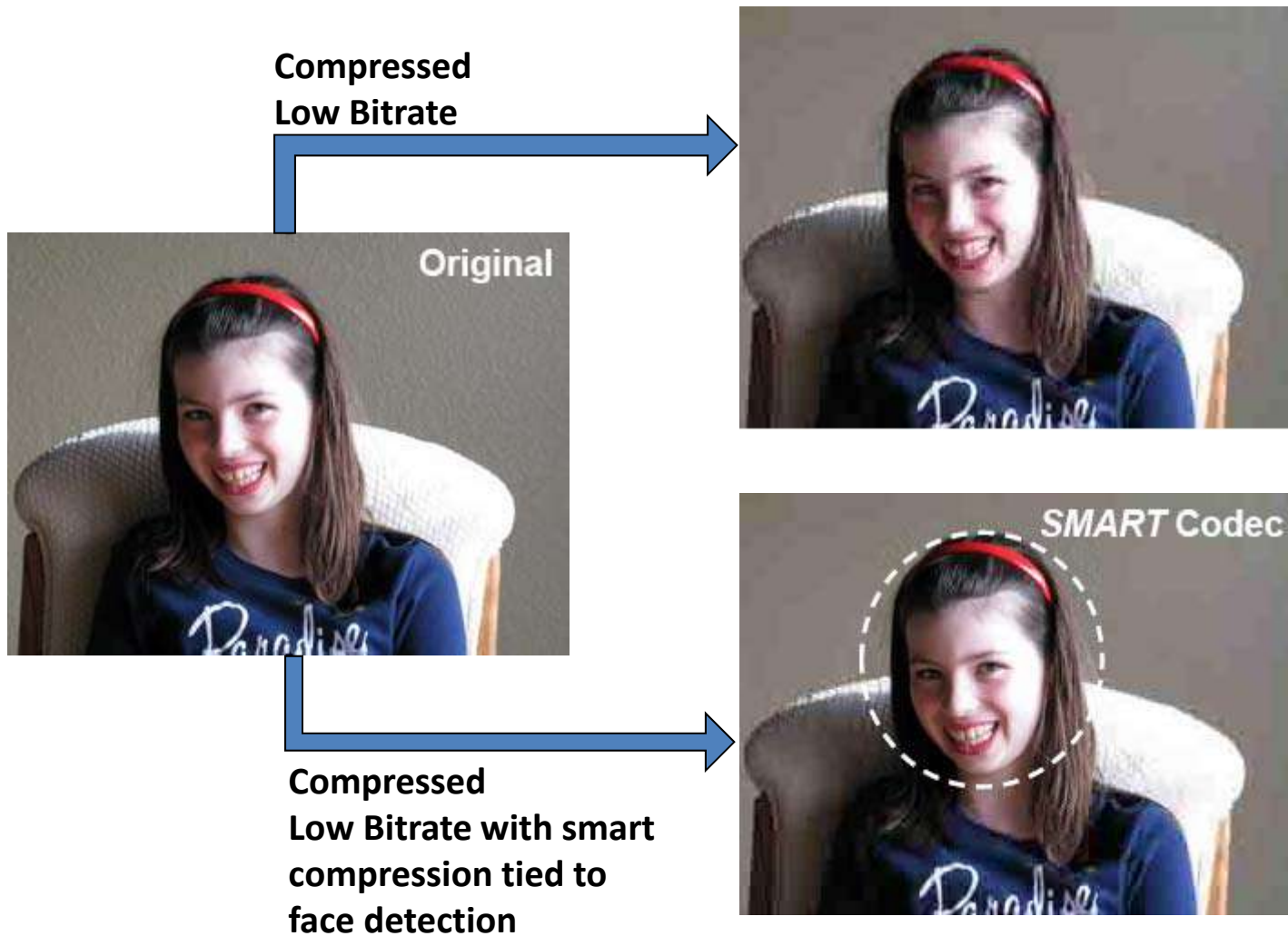
SSDR (Samsung Super Dynamic Range)

Samsung's HD Network Cameras all include Samsung Super Dynamic Range technology. SSDR technology increases the level of visible detail in these dark areas, while maintaining image clarity and detail in the brighter areas to produce a much more balanced image.

Without SSDR

With SSDR On

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SSNRIII (Samsung Super Noise Reduction)

The third generation SSNR (Samsung Super Noise Reduction) technology utilizes both an adaptive 2D filter that reduces the noise that can be found in low light images and an adaptive 3D filter which reduces noise caused by movement. The resulting image created by Samsung HD Network Camera is sharper (reduced blur) and clearer (reduced noise) when viewing in low light condition.

Without SSNRIII   With SSNRIII On

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WDR (Wide Dynamic Range) *2MP mode only

The Wisenet2 DSP's WDR technology compensates for backlight problems effectively, by applying an optimum fusion ratio when combining the long exposure method used in bright areas and the short exposure method used in dark areas. It carries out a precise analysis on the picture to get detailed information from the dark areas without any saturation from the bright areas.
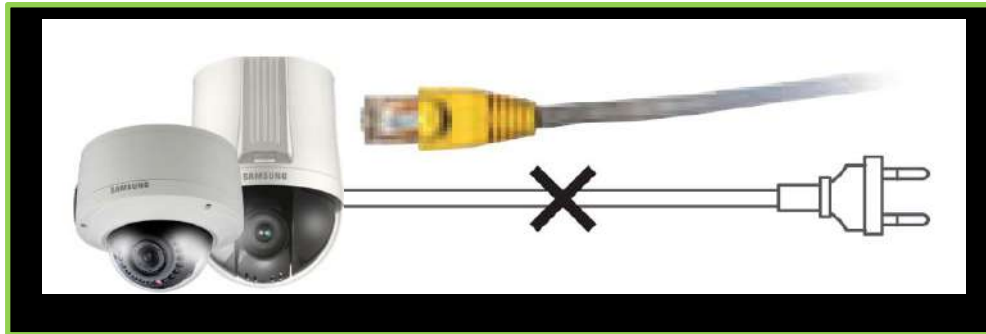

Short Exposure

Long Exposure

Fused Image

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Easy Installation

Power over Ethernet (PoE) feature offers an easy, fast and cost-effective solution for supplying power to Samsung HD Network cameras without the need to install power outlets and electrical cabling.
(New PTZ models support hPoE)

Samsung HD Network cameras provide analog video out port enabling analog monitor device connection for easy installation.

BNC Connection

Analog Handheld Device

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Extreme Environment

Samsung HD Network Outdoor Cameras support perfect operation even in the extreme environment like very low temperature condition, raining or very high humidity condition. Also it's vandal-resistant casing can protect against external impact perfectly.

Low Temperature Operation
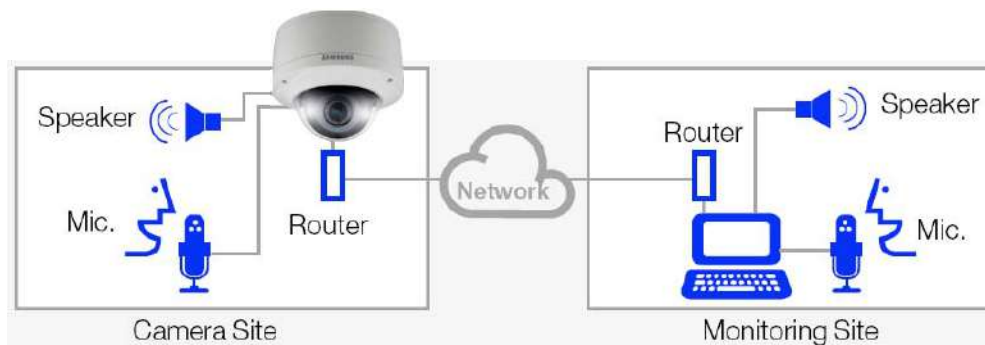
Water-resistant

vandal-resistant

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Audio & SD Memory

Bi-Directional Audio

Full duplex bi-directional audio allows interactive communication between camera site and monitoring site.

SD/SDHC Memory Slot

A built-in SD/SDHC memory slot makes camera possible to store important video without any external equipment when an event condition occurs.

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Samsung Open Platform Partners

- Onssi
- Milestone
- Genetec
- Exacq
- Aimetis
- NiceVision
- Guiterbruck

- ISS
- Salient
- Nuuo
- Dvtel
- Avigilon
- Instek
- Verint

- Lenel
- Indigo
- ISS
- Axxon
- Seetac
- Digifort
- IProNet

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Over 300 Engineers focused and dedicated towards IP Network Video Solution Products
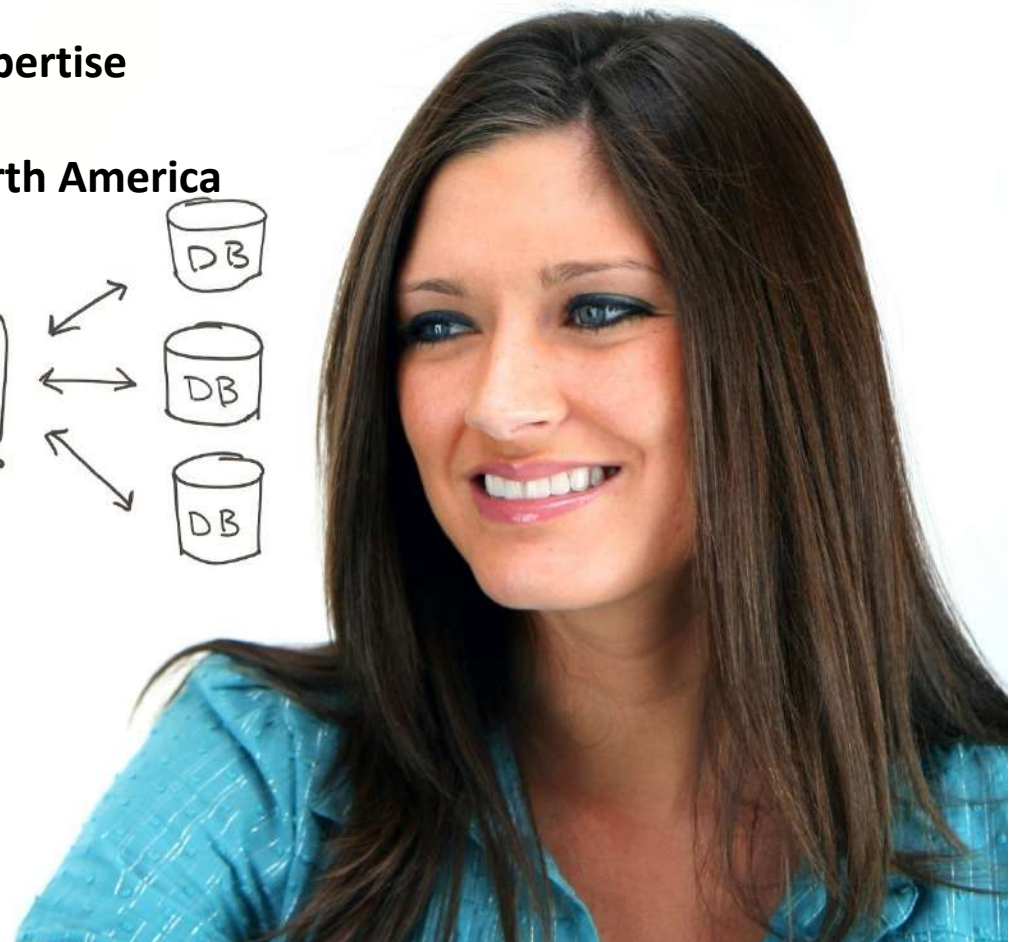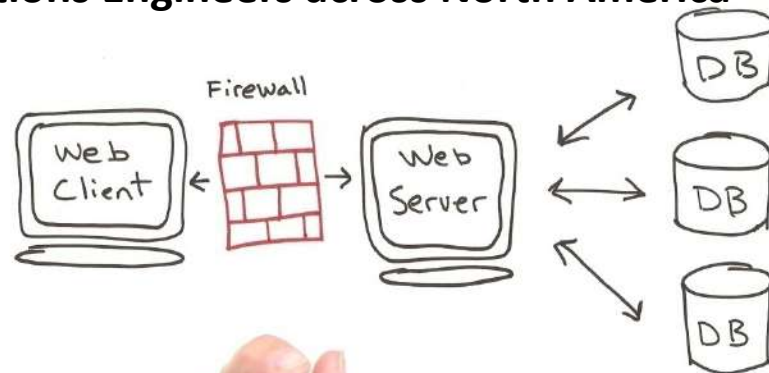
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Application Engineering

Staff

-**75 Years Combined Design and Support Capabilities**
-**NTS BICSI Certified**
-**Video Management design / discovery Expertise**
-**Video Network Certifications**
-**Remote Applications Engineers across North America**

Sales and Engineering Tools

Technology ☐

Expertise ☐

TOOLS

Staff ☐

- BISCI Certified Network Training 2 day course
- Bandwidth & Storage Calculator
- Samsung Videos on key product features
- Samsung product selector Tool
- Samsung IP Installer Tool
- VMS Integration Charts for Compatibility Details
- Product comparison and legacy charts
- Paper Catalog still supplied for easy look up access
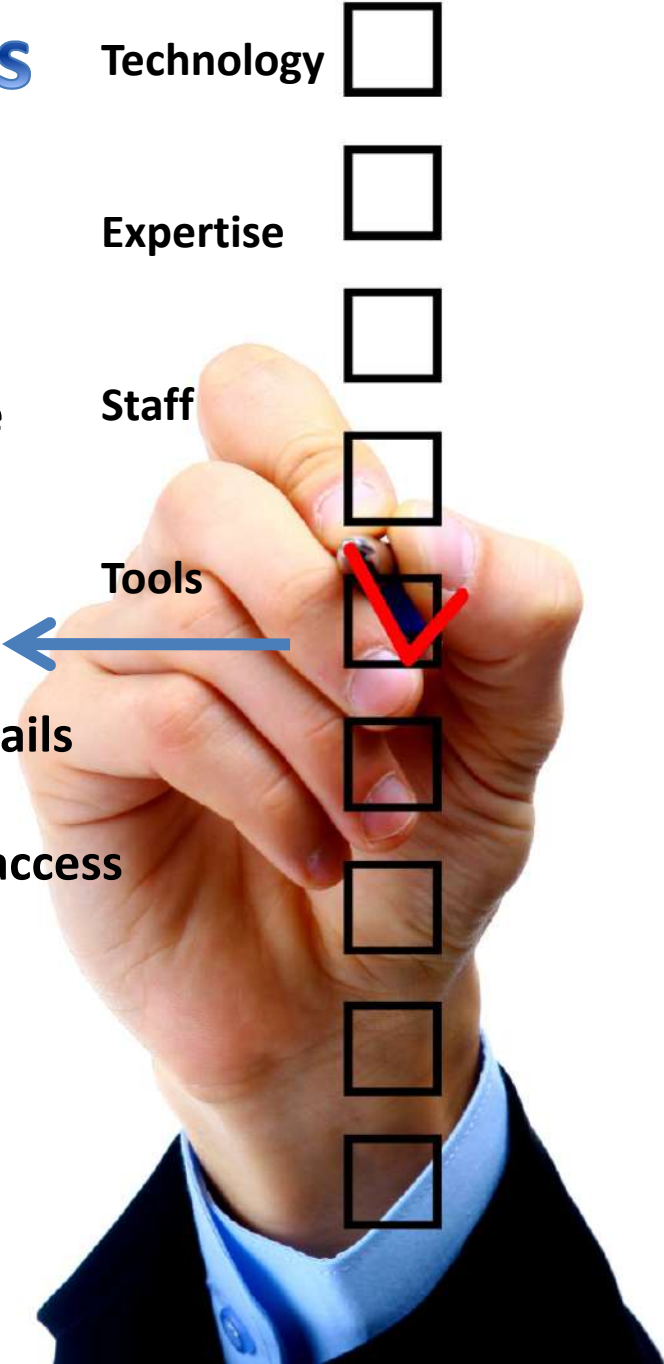- **NEW** Product Selector & Bandwidth APP

Tools ✓

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THANK YOU