

Sarix Cameras with SureVision

'The New Era of Image Quality'



The biggest Challenge in Video Security Applications is Difficult Lighting !!

Low Light situations – dark alleys, dark parking lots, dark corners, dark platforms, dark warehouses, dark restaurants and lounges

Sarix with SureVision can see color down to .005 lux.

Wide Dynamic Range situations – sunlight outside the front door, areas shaded by buildings or trees, sunlit docks with open warehouses

With SureVision, you are protected even in extreme light.

Blooming situations (Low light and WDR) – license plates between the headlights, people next to street lights, glare from rain soaked streets

Sarix with SureVision takes away the bloom better than any other camera.



Difficult Light Challenge – the Front Door

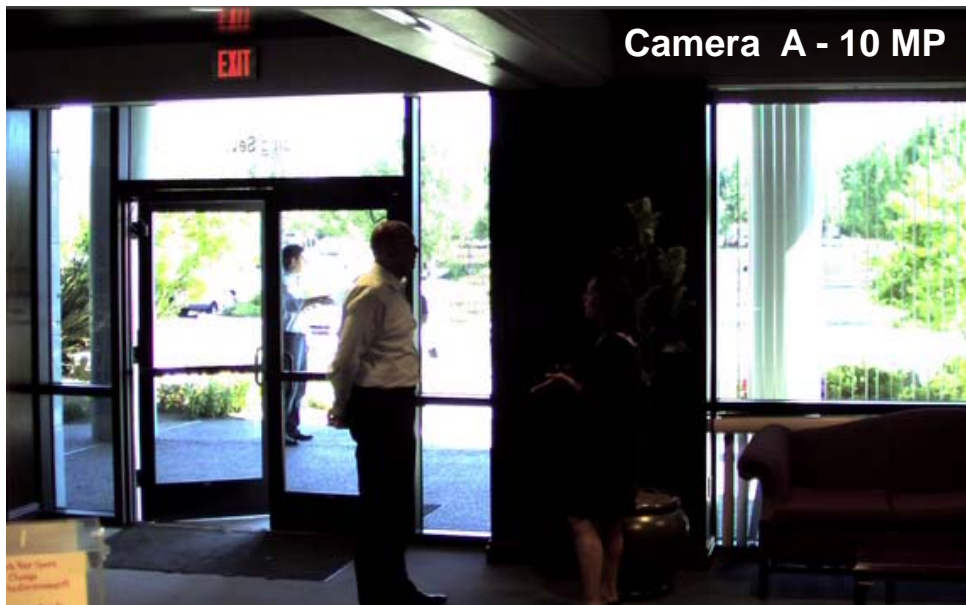
Customer Need:

“I need to capture a detailed image of everyone who walks in my front door, right then, when the camera is pointed at them ... No matter how bright the sun is.” – Facilities Security Manager

SureVision Solution:

Sarix with SureVision features an advanced sensor that intelligently utilizes multiple exposures at each pixel, and a programmable image pipe, to attain finer control over WDR scenes up to 120 dB and beyond. So you can see who comes in the front door.

The # of pixels on target doesn't matter if you can't see the subject due to difficult light.



Difficult Light Challenge – City Lights

Customer Need:

“I need to actively monitor the city center at night and capture details of vehicles - such as model, color, and license plate number. I also need to see people among the lights, and identify faces, size and shape, and clothing colors.”

SureVision Solution:

The most difficult WDR scenes occur at night with the glare of headlights and street lights. Sarix with SureVision technology cuts the blooming and has excellent low light performance in Color mode, so you can see details such as numbers, colors, sizes, and shapes, right between the lights.



SureVision handles difficult light as well as the Human Eye

SureVision is a new, state-of-the-art imaging science that combines Wide Dynamic Range, Low Light and Anti-Bloom capabilities into one highly intelligent technology.

“This is the first camera that does both WDR and Low light ... nobody has done this before in a single camera ...” – Product Manager for European Distributor

“I have never seen an image like this from a security camera ...” - Buyer for French Integrator

“ We have never seen this much engineering go into optimizing the image from our Sensor . It is truly breakthrough...” – Account Manager for Sensor Vendor



Sarix Cameras and Domes with SureVision

- Building upon the Sarix IX and IM platforms with the same housings, lensing, and APIs

IMAGE QUALITY

- Wide dynamic range – 120dB
- Better low light performance – down to .0013 lux
- Best in class anti-bloom
- Improved sharpness

– SEAMLESSLY TOGETHER -

INTELLIGENT PERFORMANCE

- Megapixel and standard definition
- Efficient H.264 compression
- Adaptive Motion and Sabotage analytics in all cameras
- Full suite of 8 free Pelco analytics on IXE10-LW

INDUSTRIAL DESIGN

- Indoor, outdoor, and vandal resistant models
- ABF or AF for rapid installation and tuning.



Sarix with SureVision Technology Components

- *Wide Dynamic Range is always ON – and does not degrade normal and low-light scenes, you get WDR AND Lowlight.*
- *Advanced Sensor with multiple exposures at each pixel - for finer control over WDR scenes, and less blooming.*
- *Programmable Image Pipe – so image quality can be improved as part of normal camera firmware updates.*
- *Color Adjustment and Improved Sharpness – without noise amplification.*



Confidential – Pelco partner use only



Sarix Cameras and Domes with SureVision



Sarix IX Series IP Cameras with SureVision		MP	H.264 fps	Lens	Focus	Audio
IXS0LW	Sarix IXS0LW IP Camera with SureVision	0.5	30@VGA	mult	ABF	AUD-1
IXE10LW (and OS,OSP,OCP)	Sarix IXE10LW IP Camera with SureVision	1.2	30	mult	ABF	AUD-1
Sarix IM Series Mini Domes with SureVision		MP	H.264 fps	Lens	Focus	Audio
IMS0LW10	Sarix IMS0LW10 Mini Dome with SureVision	0.5	30@VGA	2.8-10	AF	Mic/line in/out
IM10LW10 (and B1)	Sarix IM10LW10 Mini Dome with SureVision	1.2	12.5@720p	2.8-10	AF	Mic/line in/out
IMS0LW10-1V	Sarix IMS0LW10-1V Vandal Mini Dome with SureVision	0.5	30@VGA	2.8-10	AF	Mic/line in/out
IM10LW10-1V	Sarix IM10LW10-1V Vandal Mini Dome with SureVision	1.2	12.5@720p	2.8-10	AF	Mic/line in/out
IMS0LW10-1E	Sarix IMS0LW10-1E Environmental Mini Dome with SureVision	0.5	30@VGA	2.8-10	AF	line in/out
IM10LW10-1E	Sarix IM10LW10-1E Environmental Mini Dome with SureVision	1.2	12.5@720p	2.8-10	AF	line in/out

** All models with D/N filter, sensitivity down to 0.0013 lux, PoE

*Wide Dynamic Range of 120 dB at the Sensor
(not inclusive of SureVision image processing)*

Positioning - Sarix Fixed Network Cameras – 2H, 2011

PERFORMANCE

- Up to 3.1MP
- H.264, up to 30fps @ 1080p
- Auto Back Focus
- Multiple varifocal CS lenses
- Local storage – mini SD
- Analytics, Alarm/relay
- IE domes down to -30C

IX: Box
ID: Indoor dome
IE: EnvirVandal dome



IMAGE QUALITY – **SureVision**

WDR, low light performance, and anti-bloom - seamlessly together.

- SVGA & 1.2MP
- H.264, up to 30fps
- ABF and AF
- Varifocal lens
- Enhanced sharpness
- WDR – 120dB
- .0013 lux



IM-LW
IM-LW-V
IM-LW-E

VALUE - affordable & compact mini domes

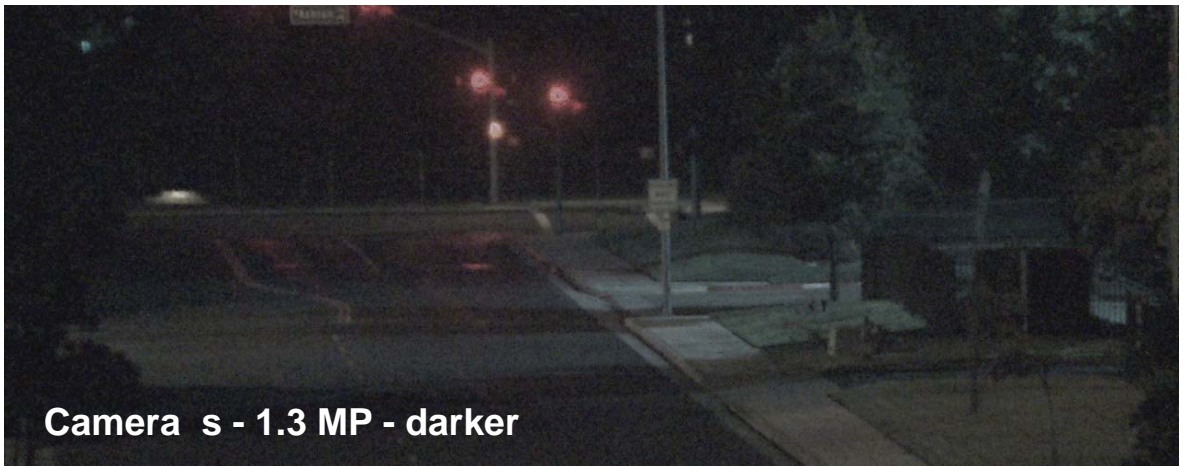
- SVGA & 1.3MP
- H.264, 12.5fps @ 720p
- Auto focus via Web
- Board mount varifocal lens
- 3" bubble
- Environmental domes down to -20C
- Starting at \$400 dealer price



IM: Indoor
IM-V: Indoor vandal
IM-E: Environmental vandal

Sarix with SureVision delivers Wide Dynamic Range AND Lowlight Automatically

With other Cameras you have to choose either WDR OR Lowlight (at the expense of the other) through a Manual setting.





Sarix with SureVision – 1.2 MP

Sarix with SureVision beats higher Megapixel cameras in Real World Shootouts



Camera A - 10 MP

The # of pixels on target doesn't matter if you can't see the subject due to difficult light.

BACKUP

Sarix and SureVision Spec Compare

Sarix Camera Specs:

- Wide Dynamic Range **60** dB
- Color (1x/33 ms) **0.5** lux
- Color SENS (15x/500 ms) **0.12** lux
- Mono (1x/33 ms) **0.25** lux
- Mono SENS (15x/500 ms) **0.03** lux

Sarix with SureVision Specs:

- Wide Dynamic Range **120** dB*
- Color (1x/33 ms) **0.1** lux
- Color SENS (15x/500 ms) **0.005** lux
- Mono (1x/33 ms) **0.05** lux
- Mono SENS (15x/500 ms) **0.0013** lux

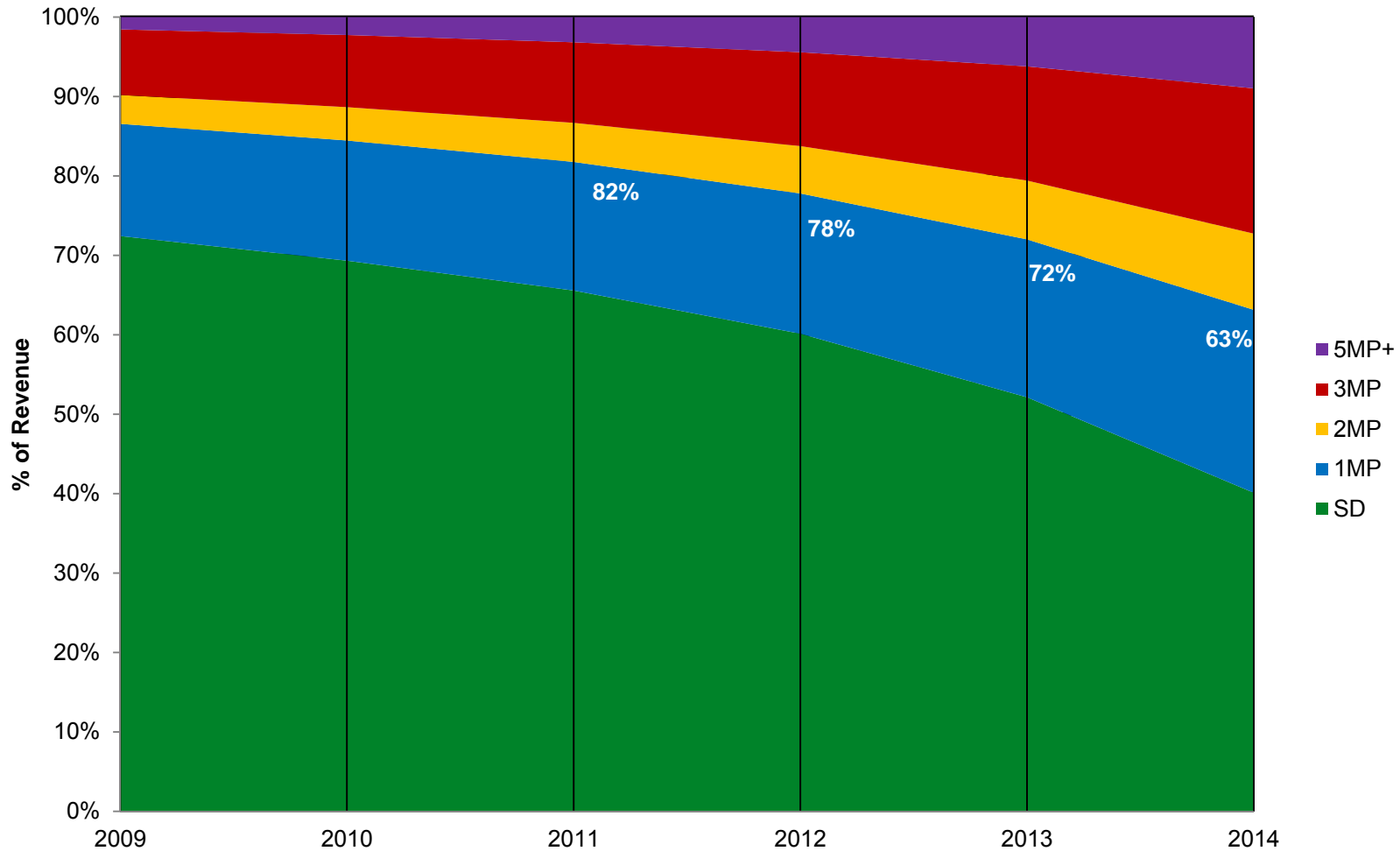
* At the sensor, does not include SureVision image processing



82% of IP Cameras are 1MP and below

WW Market for IP Cameras by Resolution

IMS Research



Device Utility 2.0

Reducing the time to Install IP Cameras

- Batch mode processing of IP addresses, names, firmware updates, resets - across 100's of cameras.
 - Duplicate settings, store settings, create custom profiles.
- Manage cameras across subnets and VLANs

Also -

- Hide IP cameras or other Pelco devices on the network.
- Video window thumbnails for each camera
- Support for all previous and current Pelco IP cameras and encoders

Dates:

NOW – DU 2.0 available for download

September - DU 2.0 shipping in all Sarix products