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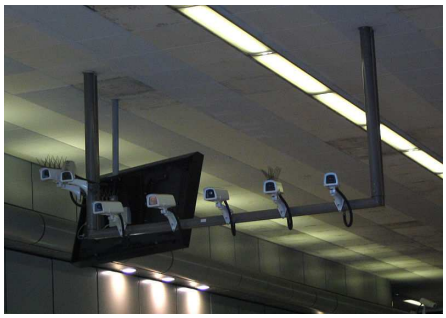
What is the advantage of FullSight 360-degree camera technology?



Traditional surveillance cameras have a narrow Field-of-View so if it was pointed to the left the incident happened on the right the camera was worthless. FullSight IP not only gives users the ability to Pan-Tilt-Zoom in live but the capability to have hindsight & PTZ in recorded footage. The technology also dramatically decreases building energy by reducing the amount of cameras to cover a typical environment.

Sentry 360 FullSight cameras represent the next major breakthrough in video surveillance and security technology. By utilizing a single multi-megapixel sensor coupled with high-resolution optics, FullSight cameras are able to display crisp 360-degree images with no blind spots and no moving parts. Our immersive imaging technology allows you to see, record and playback the full 360-degree field-of-view, ensuring that activity is recorded anywhere in the scene at all times.

Sentry 360 has a full product range dedicated to application driven 360° technology.
Resolutions range from 1.3mp 1280x960 with 1/3' CMOS progressive scan sensor; 3.1 mp 2048x1536 with 1/2' CMOS progressive scan sensor, 5MP 2560x1920 with ½' CMOS progressive scan sensor and finally 10MP 3856x2764 with ½' CMOS progressive scan sensor. All models can have options for rugged vandal proof housings; discreet flush mounted installations, IR cut filters & several wall or ceiling mount accessories. All products have 1 API for open architecture 3rd party development for dewarping (unwrapping the corrective perspective angle of source video).

How it works is sending the compressed MJPEG/H.264 image(s) to the Network Video Recorder for live or playback with full retrospective display. In our new firmware release slated for ASIS 2009 launch we will have in camera web browser dewarping with several display options such as, Single PTZ Virtual camera (unwrapped corrective perspective angle from source video), Quad Virtual cameras, panoramic display & panoramic display combined with 2 virtual cameras. Also in new firmware update you will have the option to record directly to a NAS- however we believe most of our clients will utilize the robust features and scalability of our NVR partners video management software. We will have full adoption of dual stream MJPEG & H.264 in all cameras currently

It is well known that 360-degree cameras are further enhanced when coupled with immersive dewarping technology and Sentry 360 & open-architecture Software Development Kit.

The FullSight series cameras are full-featured and include:

- ONVIF Open-standards protocol
- Day/Night IR Models
- Dual-codec H.264/MJPEG
- Video Motion Detection
- Micro-SD Storage

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What Value or Return on Investment does this technology deliver?

FullSight cameras offer many advantages over traditional CCTV systems, which should also be considered when comparing cost:

1.) Pan, tilt and zoom up to 20x in recorded material – the camera will never again be "pointing in the wrong direction"
2.) Get convictions that you could not before because the camera has no-blind spots.
3.) Higher conviction rates will mean that crime will move elsewhere, to softer targets: further reducing costs
4.) 'Conventional systems' video analytics can only alarm in the narrow field of view (FOV); FullSight monitors the entire 360 FOV, identifying alarm events even when off screen and it can track throughout the 360 FOV – impossible with conventional systems.
5.) When investigating an event, significantly fewer cameras to review (less investigation time) and fewer blind spots in recording and timeline. Significantly fewer occurrences of suspects moving from camera.

Example Return on Investment Outline:

1.) A FullSight 360-degree solution replaces more than 4 other cameras:

Question: Is the equivalent of not just 4 cameras, but 16 cameras at all zoom levels

Answer 1. Fixed/PTZ cameras once recorded are only 1x zoom post record
Answer 2. FullSight360 allows up to 20x zooming in the recorded video

2.) Reduction in camera maintenance costs
A.) Less cameras to maintain
B.) No moving parts to wear out

3.) Reduction in camera installation costs
A.) Less wire running
B.) Less building work

4.) Reduction in number of DVR/NVR channels and storage
A.) Fewer DVRs / Hard Drive Storage to buy

5.) No video analytics to purchase

A.) Included on FullSight Intelligent 360 camera series

6.) Reduction in investigation time and resource

A.) Less footage to review

7.) Fewer cameras to buy!

A.) In existing applications, redeploy supplanted cameras to other applications

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Is a 360˚ Degree FullSight camera Green?

Green Technology Defined:

> *"The application of technology by conserving energy or resources."*

Less is More Philosophy:

Less Cameras to Buy

Less Cameras to Install & Maintain

Less Cameras to Record

Less Cameras to Review

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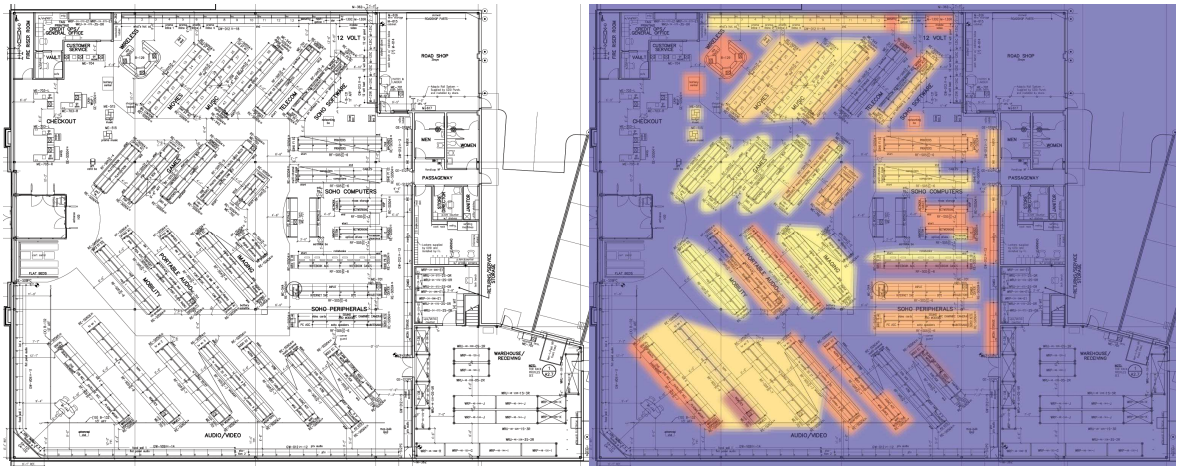
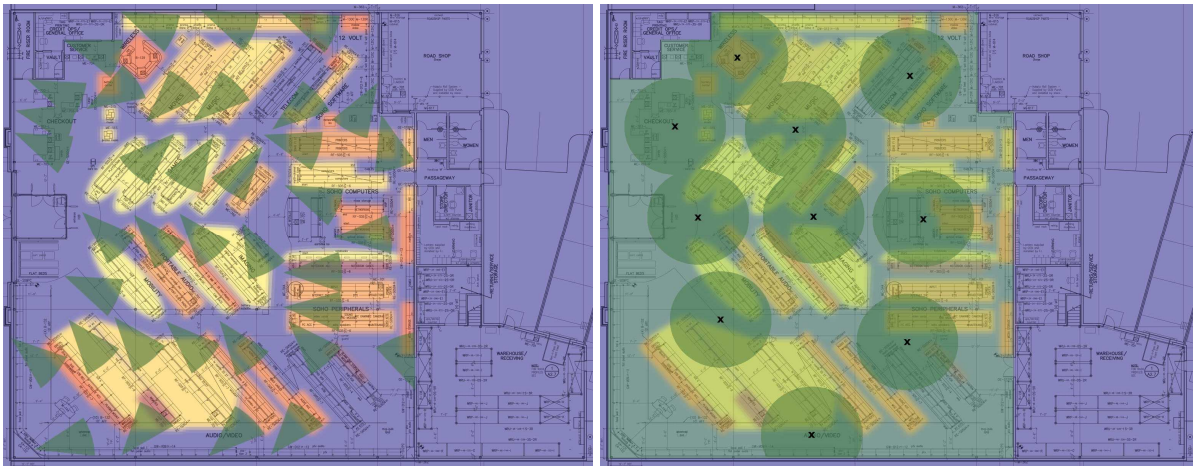
On the left is an image of an open design blue print of a major US technology retailor.



On the right is a heat synced interface highlighting the High Value retail items.

On the left is a design outline with 37 fixed field-of-view 1.3 Mega-Pixel cameras



On the right is greater overall coverage with 10 5 mega-pixel FullSight 360˚ Cameras

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What can 360 do for you?

Full Situational Awareness

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