

360° Megapixel Surveillance and Reliable RAID Solutions Safeguard Coseimpa Shops

Security is always one of the top concerns for any large stores and IP surveillance is becoming the norm in the retail sector. Deploying Surveon's end to end solutions, including industrial-grade megapixel cameras, intelligent video management, and enterprise hardware RAID megapixel recorders, stores can easily upgrade to the advanced surveillance to provide a safe environment for people and goods and to have business practices and overall cost savings improved.

Customer

Coseimpa is a construction materials distributor dedicated to provide its clients with quality products and technical support at reasonable prices. "Being an innovator and a regional model in the construction and remodeling industry, Coseimpa has already had three stores in Punto Fijo (Falcón, Venezuela) and other expansions are on their ways. Now it is time for us to adapt the IP-based surveillance with more effective monitoring, recording and better management to offer increased security for the stores, staff, customers and the assets," said the security manager of Coseimpa.

Challenges

Owing to huge display items, Coseimpa stores are vast in space. The surveillance needs to step up to prevent theft and damages that are great cost factors for stores their sizes. And by doing so, employees can have a sense of security in the workplace and most importantly, customers can feel safe while shopping in the spacious stores.

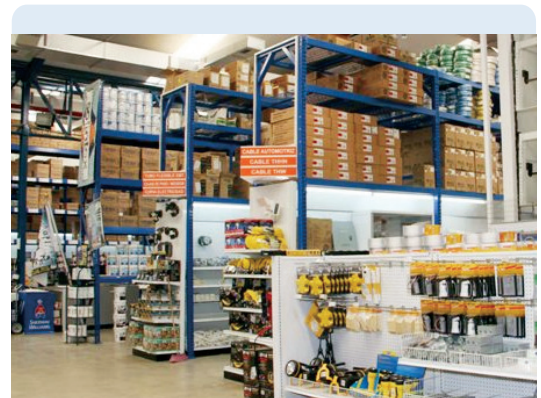
"Conventional analog systems cannot meet our requirements any more in terms of resolution and central management," said the security manager. "In order to strengthen the store surveillance, we need a high quality, reliable solution that supports recording for 30 days and prevents video loss. Besides, the new system must be able to be integrated with our existing surveillance investment so that no money is wasted."

Solutions

Industrial Grade Megapixel Cameras

The project would have vigilance in every corridor, accesses, cashier areas and external perimeters round the clock. With the varifocal lens, Surveon 2 megapixel cameras allow an adjustment of scene in the corridors and racks; the removable IR-cut filter design ensures clear images all day long. With their ideal ceiling-mount design, the 2 megapixel indoor dome cameras were installed in the office areas and accesses to the facility, with only minimal aesthetic intrusion.

While it usually takes two to three traditional dome cameras, with one Surveon CAM7511 360° fisheye camera, the entire cashier area is covered without any blind spot. With the excellent dewarp functionality, the image can be seen clearly without distortions. The CAM6351, a PTZ solution, was implemented to monitor the exterior areas of the warehouses and the streets, providing high quality images day and night even when the lighting is as low as 0.1 lux (in color) and 0.01 lux (in mono). With IP66, wide temperature, vandal proof housing design and a built-in fan heater, the CAM6351 is perfect for outdoor usage.



Summary

Customer:

Coseimpa, a construction materials distributor, Falcón, Venezuela

Store Needs:

- Upgrades from analog to IP surveillance
- Proven end to end solutions for megapixel recording
- Support 24/7 recording for 30 days
- System scalability and integration

Surveon Solutions:

Highly integrated solutions for store surveillance:

- CAM7511 5 megapixel 360° fisheye camera
- CAM6351 20x zoom Full HD outdoor speed dome
- 2 megapixel box camera and indoor dome
- NVR2164 Hardware RAID NVR
- Surveon enterprise VMS with Video Analytics

Surveon Solution Benefits:

- Certified end to end solutions, from cameras, NVR, VMS, to storage
- 120-day megapixel recording
- Hardware RAID NVR ensures reliability
- Exemplary performance, extremely stable HD and zero frame loss
- Easy integration
- Centralized management
- Real-time VI detection
- Smart investigation
- 100% in-house design and production
- 3 year warranty

Enterprise Hardware RAID Megapixel Recorders

“Nowadays many projects require continuous megapixel recording. Because of the high performance and reliability, subsystem storage is widely deployed for mission-critical applications,” said Casper Wu, Product Manager of Surveon.

Supporting up to 64-channel Full HD recording, the Surveon NVR2100 with hardware RAID was chosen to provide large capacities up to 448 TB for longer video retention periods, overall system stability and zero video loss. It also offers the industrial grade designed features, such as hot-swappable, redundant components and thermal-proven cables, empowering the NVR2100 to meet the stringent demands of 24/7 non-stop megapixel recording.

Professional Video Management

The preinstalled Surveon VMS in the NVR2100 simplifies the usually complicated video management; monitoring, playback,

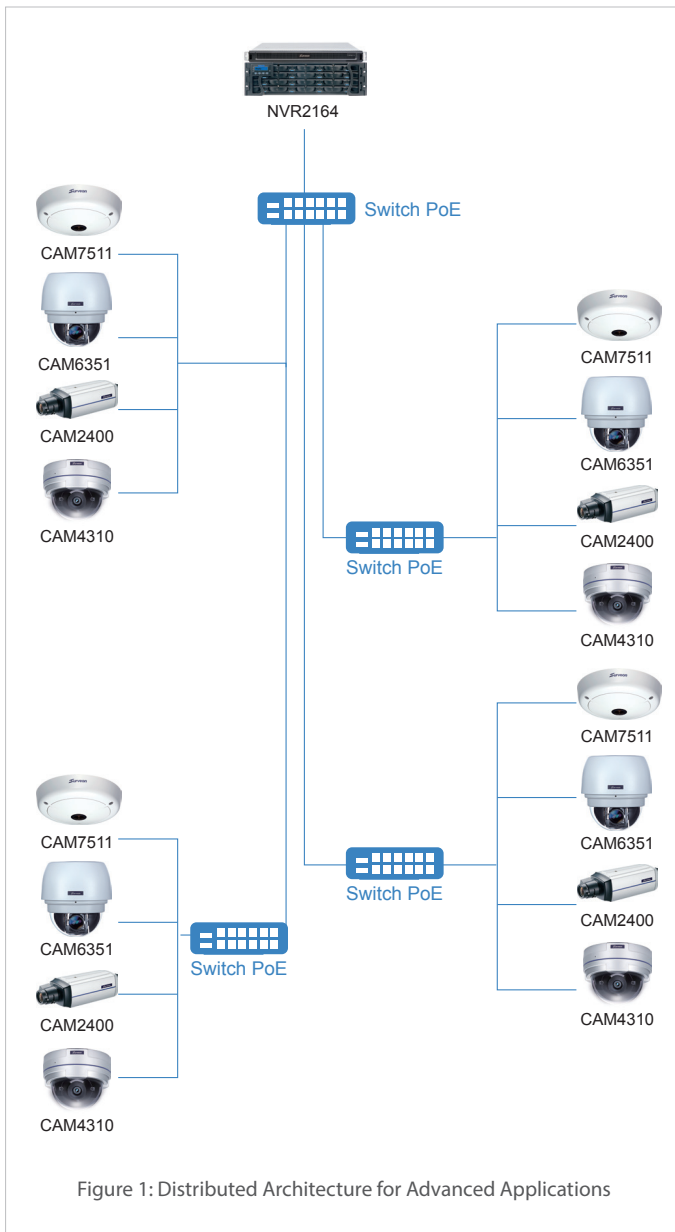


Figure 1: Distributed Architecture for Advanced Applications

configuration, and other advanced controls can be done in the same straightforward principle whether log in locally or remotely, using the web or mobile client, which is extremely helpful for spacious stores like Coseimpa.

The Surveon real-time intelligent Video Analytics transforms passive monitoring into a proactive surveillance system. The basic Motion and Tampering detections can be used for general security in the store; while the Missing Object, Intrusion, Forbidden Area detections are designed for detecting potential risks. The advanced functions, such as Virtual Fence, Going Out, Tailgating, Object Counting can be applied for improving Coseimpa’s in-store operation efficiency.

Benefits

Excellent Image Quality, Better Monitoring

Surveon’s CAM7511 fisheye camera offers 5 megapixel (2560x1920) video resolution and is able to monitor the entire store with only one camera, saving the costs and troubles of too many camera installations. The CAM6351 Full HD 20x zoom speed dome camera also offers wider coverage and thus camera numbers can be reduced. As a result, the whole store is monitored without any blind spot, providing a safe environment for the daily operation.

Reliable Storage, Optimized Video Management

Built-in with the premium-grade RAID subsystem storage, Surveon’s NVR2100 ensures high video resolution, non-stop recording with stability and reliability. Paired with the Surveon VMS, the solution not only improves safety and security, but provides statistical purposes to reduce inventory shrinkage, control stock, optimize store design, traffic flow, and point of purchase displays to improve sales, study employee and customer interactions, and therefore business intelligence can be achieved.

“Integration with Surveon’s comprehensive solution strengthens our surveillance and business practices. We really look forward to continuing to work with Surveon to achieve the full integration with IP surveillance in our store expansion plan,” said the security manager of Coseimpa.

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About Surveon

Surveon Technology offers end-to-end network video surveillance solutions that showcase our expertise in professional camera design, hardware RAID NVR, high availability video storage, embedded firmware and video management software. All Surveon products are designed in-house and manufactured on our ISO 9001 and ISO 14001 certified production site to ensure the highest quality for our partners.