



**Rasilient delivers high performance and highly reliable Video Surveillance solution to Azusa Pacific University**

## Challenges

- Management of main and satellite campuses with hundreds of mega pixel cameras
- Easy Future Expansion
- Highly reliable system
- Experts surveillance partners
- Proven and certified solution

## Solution

### Purpose built Servers and Storage

- AS70 w/ 16 TB Storage Server
- AS30 RecordingServer
- PS3000 IP Storage

### VMS

- Genetec Security Center

### Camera

- Bosch
  - KBE-495V75-20 high resolution outdoor camera
  - REG-L1-835XE-01 License Plate Camera
- Axis P3384VE 1MP dome camera

### Integrator

- A.T.A.C. inc

## Benefits

- High performance solution
- Simple cost effective scalability
- Highly Reliable & Available
- Easy and cost future expansion
- Physical security experts
- Certified solution
- Full solution provider
- Unified management

## Success Story

Azusa Pacific University has over 6000 undergraduate students and over 3000 graduate students and is located in the San Gabriel Valley community of Azusa, 26 miles northeast of Los Angeles. Situated on 52 acres, East Campus houses administrative facilities, classrooms, residence halls, a library, student center, and gymnasium. The 53-acre West Campus is home to the schools of Nursing, Behavioral and Applied Sciences, Education, and Theology, two libraries, the Richard and Vivian Felix Event Center, the John and Marilyn Duke Academic Complex, the Barbara and Jack Lee Place of Prayer, and numerous classrooms and offices. Completed in 2009, the 72,000-square-foot, \$54-million Segerstrom Science Center is also on West Campus, serving multiple disciplines and the community at large.

There are also seven offsite regional centers serving the High Desert, Inland Empire, Los Angeles, Murrieta, Orange County, San Diego, and Ventura County, as well as many online programs.

## Challenge

Transition from analog surveillance system to a modern IP base Video surveillance system. Deploy on the main campus and existing satellite campuses while supporting 100s of high resolution megapixel cameras on one unified system. The physical system had to be highly reliable and provide 100% uptime. Since the University's staff is IT experts and not highly proficient in video surveillance the partner chosen had to be experts in the market to provide a proven, high performance, highly reliable unified solution.

## Solution

The main campus has over 100 HD cameras. Each satellite will have ~30 cameras. The cameras are provided by Bosch and Axis. Each of the Satellite locations has Rasilient AS70 Storage Server with 16TB. The main campus is configured with four Rasilient AS30 servers. The AS30s and AS70s are configured with Genetec Security Center. The AS30s are used in conjunction with a "fully redundant," PS3000 IP storage array. Genetec provides High Availability and failover to backup AS30 server and the PS3000 provides High Availability with its dual controller configuration. Between the two 100% uptime is ensured.

## Partners and Key Benefits

### Integrator - A.T.A.C.

A.T.A.C. inc. is an authorized Rasilient integrator, architected and deployed the complete solution for the University.

### VMS -Genetec Security Center

Genetec is a global provider of IP video surveillance, access control and license plate recognition solutions unified in a single platform, called Security Center.

**Reliability**-Security Center provides high availability with multiple failover, redundancy and maintenance mechanisms built-in ensure in your critical safety and surveillance operations.

**Federation**-Security Center Federation allows monitoring of remote independent sites as if they were part of a single virtual system, improving the security and efficiency of managing multiple facilities. Federation architecture is scalable and supports hundreds of remote systems with thousands of cameras, doors, alarms, and intrusion panels.

**Cameras - Bosch Security**- Bosch Security Systems is a supplier of equipment for the global electronic protection and communications systems industries.

**Cameras - Axis Communications**- Axis is the market leader in network video and a driving force behind the shift from analog to digital video surveillance, which paves the way for a more secure, smarter and safer world.

## Servers and storage - Rasilient

### Rasilient Technology performance advantage

Rasilient incorporates advanced video surveillance storage technologies that achieve an incredible 4x greater performance than the typical NVR/DVR storage solutions while providing cost effective power saving. We accomplish this with patented PixelStor VAN, FlowThrough, StreamAlign Advanced Caching technologies and BusyPlot storage monitoring. VAN and FlowThrough are designed provide unmatched video surveillance performance and StreamAlign performs in line defragmentation to ensure the exceptional performance that will not degrade over time.

#### For More Information Contact:

Rasilient Systems, Inc.  
3281 Kifer Road  
Santa Clara, CA 95051  
Tel: (408) 800-7301  
Sales: Sales@rasilient.com  
Website: www.rasilient.com

Disk drive failure is a major cause of lost video and downtime. Rasilient incorporates Self-Healing technology; which automaticity repairs drive failures reducing drive failure rate up to 70% while using Video Class drives. Rasilient's innovative drive prescreening and burn in virtually eliminates drive infant mortality.

BusyPlot is a unique set of GUI tools used to monitor all aspects storage performance. BusyPlot alerts the user if incoming video out paces storage performance so step may be taken to ensure no video is lost.

### Market Focus

Rasilient is 100% focused on and only produce products for the physical security market. Due to this focus we have a very good understanding of our physical security customer's unique needs and requirements. This allows us to optimize and tune our products to provide our physical security customers the best performance, easy to use, right size, highly reliable and cost effective solutions.

### Complete Solution

We provide all of the key components and support needed by our customers for their physical security project. Our products include Video Storage Server, Video Viewing and Administration Servers, High Performance, capacity and highly reliable storage products.

### Certified Solution

All of our products are pre-tested and qualified with all of the major VMS products for use on Rasilient platforms. This insures the best performance, reliability, ease of use, installation and operations.

### Industry Experts

Since we have a complete understanding of the VMS and our products; we can quickly answer, diagnose and resolve any issue that may arise.

### Rasilient's Mission

Deliver products that are designed, optimized and tested to provide the highest performance, are easy to install, use and are cost effective solution for the Video Storage market!

#### Integrator

A.T.A.C., Inc.  
978 N Amelia Ave  
San Dimas, CA 91773  
Tel: (909).303.0777  
Sales: dclark@a-tacinc.com  
Website: www.a-tacinc.com

Copyright © 2013 Rasilient Systems Inc. Specifications are subject to change without notice. Rasilient and the Rasilient logo are registered trademarks of Rasilient Systems, Inc. PixelStor and PixelStorOS are trademarks or registered trademarks of RASILIENT Systems, Inc. All other names, brands, products, or services are trademarks or registered trademarks of their respective owners.