



# RESOURCE LIBRARY

2018

# V5 Systems Resource Library

V5 Systems is an award-winning company that has created a first-of-its-kind computing platform for the outdoors. Its technology has been validated by multiple industry leaders like Dell, VMware and Axis Communications. The following is a library of resources to learn more about breakthrough solutions that have been adopted by industry leaders within their respective markets.

## Industry Wins

V5 Systems currently has 10 wins since its inception, confirming the technology's uniqueness, innovation and market relevance within both the Industrial IoT and Security industries. It has also passed the FAA-funded Safe Skies evaluation and testing for use in airports.

[V5 Systems' Solar-powered, 3rd Party Camera Platform \(V5 CAP\) Wins Accolades Competition at ASIS 2017 Annual Seminar and Exhibits](#)

[V5 Systems Wins Security Today Magazine's 2017 New Product of the Year Awards in Three Categories](#)

[The Right IoT Stuff: V5 Systems Wins Dell's IoT Contest](#)

[V5 Systems Wins Security Today Magazine's 2017 New Product of the Year Awards in Three Categories](#)

[V5 Systems Wins Two Security Industry Association's New Product Showcase Awards at 2017 ISC West Trade Show](#)

[V5 Systems Wins Award for Best in Video Surveillance](#)

[V5 Systems Wins Two Awards at 2016 Smart City Conference & Expo](#)

[V5 Systems Completes Testing with Safe Skies](#)

[V5 Systems Extends Award-Winning Streak with First-Place IoT Win](#)

## Investments

V5 Systems has successfully completed two rounds of financing with total investor funds of over \$20M. Strategic guidance and investment has been provided by Foxlink Ventures. These investments have equipped V5 Systems with resources to innovate and secure leadership in the Security and Industrial IoT markets.

[V5 Systems Closes Series A2 Round of \\$12M](#)

[V5 Systems Closes \\$7 Million Series A Financing](#)

## Technology Applications and Case Studies

Real-world applications of V5 Systems' technology have been proven via deployments in universities, high-traffic downtown areas and Super Bowl 50 where speed and freedom of deployment were vital. In addition, the flexibility of our portable solutions was critical to the capture of a moving serial shooter in San Jose, CA.

[V5 Systems' Camera Adaptive Platform Transforms Pelco Sarix™ Professional IP Surveillance Cameras into Portable, Wireless, Self-Powered Devices](#)

[Riot at Stadium Prompts University to Install Rapidly Self-Powered Security Solution](#)

[IoT Catches On in New England Fishing Town](#)

[V5 Systems Deploys Wireless Outdoor Security for the Super Bowl](#)

[A Modern Detective Story](#)

[City's Vision of Safe Downtown is Realized with New Technology](#)

[Safe Away from Home](#)

## Product Releases

Read about the unveiling of three major products.

1. V5 Portable Security Units (V5 PSU) – portable and self-powered with multi-sensor functionality that runs on the edge
2. V5 Acoustic Tracking Sensor (V5 GSL) – trainable sensors that accurately detect the sound of gunshots using artificial intelligence and without human verification
3. V5 Camera Adaptive Platform (V5 CAP) – ongoing power source, using proprietary solar technology that can be used to power any 3rd party surveillance camera while eliminating dependence on the electrical grid

[Introducing the Most Advanced Self-Powered Security Solution](#)

[V5 Systems Introduces Acoustic Tracking System at Hannover Messe](#)

[V5 Systems to Launch Product at ISC West that Perpetually Powers Surveillance Cameras in The Outdoors](#)

## Partnership Announcements

Learn about how multiple industry leaders such as Dell and Axis Communications have placed high value on our edge computing platform and security applications.

[Intel, Arrow Electronics and Dell partners with V5 Systems](#)

[V5 Systems Joins Dell as a New Associate Partner](#)

[V5 Systems and Axis Communications Announce Partnership](#)

[Velociti and V5 Systems Partner to Provide Comprehensive IoT Security Solution](#)

[V5 Systems Joins EdgeX Foundry to Help Bring Industrial IoT to the Outdoors](#)

## Videos

Learn more about V5 Systems' current capabilities and vision as it relates to artificial intelligence.

These videos, used by Dell as part of their Industrial IoT messaging to their global sales channel of 4000+ sales reps, highlight the V5 Portable Security Unit (V5 PSU) that uses the Dell IoT Gateway and the portable V5 Acoustic Gunshot Sensor (V5 GSL).

This 2-minute video was used at a large sales conference for Axis Communications reps. It showcases the V5 Camera Adaptive Platform (V5 CAP), which transforms any industrial grade IP camera into a self-powered, wireless device for the outdoors.

In 2016, V5 Systems held a live gunshot detection demo. In attendance were many investors, including Dell, Intel, VMware, Foxlink, security personnel, police and military personnel. Watch this documentary on how the AI-driven V5 Acoustic Gunshot Sensor performed in an area with no communications or power.

V5 Systems solutions are making a difference. Hear directly from the people who have experienced our technology firsthand. According to SJSU police, V5 Systems' solutions aren't just products,

[V5 Systems: Setting Artificial Intelligence Free](#)

[3 Minute V5/Dell Product Overview](#)

[V5 Acoustic Gunshot Detection](#)

[Dell Webinar - V5 Systems Helps Solve Campus Security and Safety Challenges](#)

[V5 Camera Adaptive Platform](#)

[V5 Systems Documentary: Forging New Paths in Gunshot Detection](#)

[Testimonial from SJSU Police](#)

but all-encompassing systems that allow rapid and flexible response.

The ability to redeploy the V5 Acoustic Tracking Sensor (gunshot detection) makes it an effective tool in monitoring and preventing homicides.

With a 60% reduction in crime in three months since deployment, the Hayward Police department strongly endorses the V5 PSU and V5 CAP as solutions that reduce manpower while creating safer, more resilient communities.

With an open campus in the heart of downtown San Jose, SJSU had dozens of cameras installed throughout its buildings, but no eyes on the outside. That's where V5 Systems came in with its robust, outdoor solutions, increasing student and faculty safety at low cost.

Flexibility, accessibility, and quality sold Nathaniel Roush. "Having HD video, for this particular solution, is an amazing benefit."

And with a smartphone and desktop app, our system has enhanced police work as well.

[Testimonial from Hayward Police](#)

[V5 Systems Deployed at SJSU](#)

[Testimonial from Nathaniel Roush, IT Manager of Public Safety of Hayward](#)



## In the Media

Learn about our best-in-its-class performance, as we share the V5 Systems story and best practices in media interviews. As a leader in the IIoT and security spaces, V5 Systems uses its expertise to educate the public about the importance of smart security in an age of global insecurity. From businesses to campuses, we are shifting the security paradigm to portable, ongoing self-power.

Media mogul Kathy Ireland, self-made businesswoman and anchor of Fox's Worldwide Business program, sits down with CEO Steve Yung and President Mazin Bedwan to understand why police and universities are choosing our solutions over incumbents. Watch as impressed customers make V5 Systems' case for it on national news.

V5 Systems President Mazin Bedwan sits down Bryan Kramer to discuss intelligent IoT and the future of edge security at DellEMC World. When it comes to security on the edge, V5 Systems is second to none in portable, self-powered data analytics. V5 Systems is proud to partner with Dell in delivering smart security and monitoring services.

[V5 Interviews with Kathy Ireland](#)

[V5 Interviews at Dell EMC World with Bryan Kramer](#)

[V5 Systems bringing Silicon Valley Tech to Rockford, IL](#)

V5 Systems' Mazin and Eddie Bedwan bring their technology back home to Rockford. Protecting communities is high on their list, and for the Bedwans', it starts with loved ones and friends.

SJSU says the company that makes the devices, V5 Systems, uses artificial intelligence to develop a profile of the crime environment over time. Ten devices have been strategically placed throughout campus in high traffic and high crime areas. When a gunshot is detected, police dispatchers will get an alert pinpointing the location.

A Silicon Valley police department teamed up with V5 Systems, a maker of solar-powered IoT security devices, to find a man they suspect randomly fired a pistol at 10 cars in 2016.

[San Jose State Installs Gunshot Detection Devices, License Plate Readers for Safety](#)

[How IoT Security Helped Nab a Serial Shooter](#)

## Top Articles

Searching thousands of cameras for “suspicious” activity in real-time is a fool’s errand. Sure, from a forensics perspective it will make it easier to pinpoint what happened after the fact. But it won’t save lives or significantly speed up the process of locating and apprehending the shooter.

If we want to point to technology to solve this problem, let’s point to things that can be effective. Gunshot detection devices located strategically around the property would let law enforcement triangulate on a specific position in seconds...

“Based on the HD video and gunshot detection from this breakthrough technology (V5 Portable Security Units), law enforcement now had enough evidence to identify and apprehend the perpetrator. He has now been charged with 10 counts of attempted murder.” This is how V5 Systems changes the game.

V5 Systems offers IIoT solutions based on the Dell IoT Gateway and the Dell Edge Gateway 5000 Series. The gateway can collect, store and analyze data locally or transmit information to remote systems in the Cloud or a data center for threat analysis and storage.

[Las Vegas Shooting and the Future of Physical Security Systems](#)

[CIO Review: V5 Systems, The Next Big Thing in Industrial IoT](#)

[Leveraging IoT Technologies to Solve Campus Security and Safety Challenges](#)

[Building a Safer, Smarter Society with Self-Powered Industrial IoT Solutions](#)

Dell believes in V5 Systems, and its unique ability to deliver on each of the below:

1. Assess potential security risks in outdoor spaces
2. Assess the deployment location and identify implementation challenges
3. Plan for IT and OT collaboration
4. Identify video and data storage requirements
5. Automate alerts to gain the greatest ROI

V5 Systems is a human story. Learn how a chance meeting at the body shop and incredible work ethic jumpstarted a cutting edge Industrial IoT company. V5 Systems is proud of its roots as it surpasses every incumbent in the industry.

[5 Steps to Improving Security with Portable, Self-Powered Surveillance](#)

[V5 Systems, a Model of Innovation](#)

## Blog Posts

11,000 undergrads, brand-new res halls, and eight chaotic hours to sort the former into the latter? Move-in day is a logistical hurdle for UCLA's Housing Department. With dozens of Welcome Week events and personal property in transit, UCLA HD turns to a smarter, self-powered surveillance system to make student onboarding seamless.

Millennial students are always on their smartphones, and campuses are leveraging this. Creating an unfettered channel to campus security, crowdsourced safety apps better protect students and faculty, providing them with current, accessible information. We share the most ubiquitous apps geared toward students and the law enforcement who protect them.

When a crisis hits, proactive colleges are prepared with personnel, plans, and technology. Whether your campus is large or small, or in a major city or suburban town, schools will remain prime targets because

- Many people in a highly concentrated space
- It's difficult to monitor campus access points
- Large perimeters for security to cover
- Shock value of students/young people being harmed

[Redefining Campus Safety: How Colleges Can Finally Eliminate Blind Spots](#)

[Looking to Improve Campus Safety? There's an App for That?](#)

[When a Crisis Hits, Proactive Colleges are Prepared with People, Plans, and Technology](#)

V5 Systems provides the next generation of security with a wireless, portable security solution to help protect your warehouse, that way, even if thieves cut the power lines, the security system still operates. The system has sensors that provide the ability to see, hear and smell, so it can detect an unauthorized person on your property and send immediate alerts.

Eight years ago, 8 people lost their lives in the Appomattox Mass Murder, commanding media attention for months. Now, mass shootings are just data-points in a grim trend of growing spree violence that haunts our civic life. Last month, we asked readers what they'd do if confronted with an active shooter. This month, we make the case for universities and other workplaces to invest time to drill this scenario.

[There was a Break-in at the Warehouse: Now What?](#)

[Fire Drills, Earthquake Drills, Why Not Active Shooter Drills?](#)

## Social Media Links

[V5 Systems YouTube Channel](#)

[V5 Systems Facebook](#)

[V5 Systems LinkedIn](#)

[V5 Systems Twitter](#)

## Product Sheets

[V5 Portable Security Unit Product Sheet](#)

[V5 Camera Adaptive Platform Product Sheet](#)

[V5 Portable PTZ Unit Product Sheet](#)

[V5 Portable Security Unit-Streaming Product Sheet](#)

[V5 Portable Power Unit](#)

[V5 Auxiliary Portable Power Unit](#)

[V5 Acoustic Gunshot Detection Product Sheet](#)

[V5 Portable Edge Computing Unit](#)

[V5 Security Solutions](#)

[V5 Portable LPR Security Unit](#)



## Camera Sensor Spec Sheets

[V5 2.4MP IR Dome Camera Sensor](#)

[V5 2.0MP Starlight Dome Camera Sensor](#)

[V5 2.0MP IR PTZ Camera Sensor](#)

[V5 2.0MP Starlight PTZ Camera Sensor](#)



Thank You