

A top priority for schools and universities is to keep students and faculty safe on campus property at all times. Hitachi public safety and smart cities solutions provides real-time information on a single pane of glass. First responders and public safety officers can react quickly to prevent the situation from escalating further and avoiding critical situations when able to access information immediately.

DATASHEET

Hitachi Visualization: Solution for Campus Environments

Create Safer Campus Environments with Hitachi Solutions

Campus safety has come under fire due to active-shooter events that have exposed gaps in safety and security. Schools and universities can keep students, staff, physical infrastructures, and assets safe and secure across the entire campus by implementing security infrastructures, emergency communications, policies, and procedures. All these disparate processes and systems need to be closely monitored and connected to a single platform that offers full situational awareness.

The Challenge

Although video surveillance leads the way, schools and other campus facilities will be safer, smarter and more efficient through real-time connected intelligence. True campus safety encompasses more than the use of the cameras, and sole use of cameras for campus security involves the following risks:

- Privacy concerns.
- Unmonitored areas where drugs, sexual assaults, bullying and vandalism occur.
- Cameras that lack intelligence and analytics.

Situational awareness challenges include:

- Focus on specific areas of a campus, excluding linked or nearby crime.

- Separate systems for access control, video management, license plate recognition, fires, and social media.
- Multiple security personnel monitoring the system to manage critical assets and incidents.

Hitachi Visualization

Hitachi Visualization is a solution composed of Hitachi Visualization Platform (HVP) and Hitachi Visualization Suite (HVS). HVP contains intelligent edge-capture devices and the HVS is an integrated cloud and mobile software platform. These solutions are designed to create safer environments.

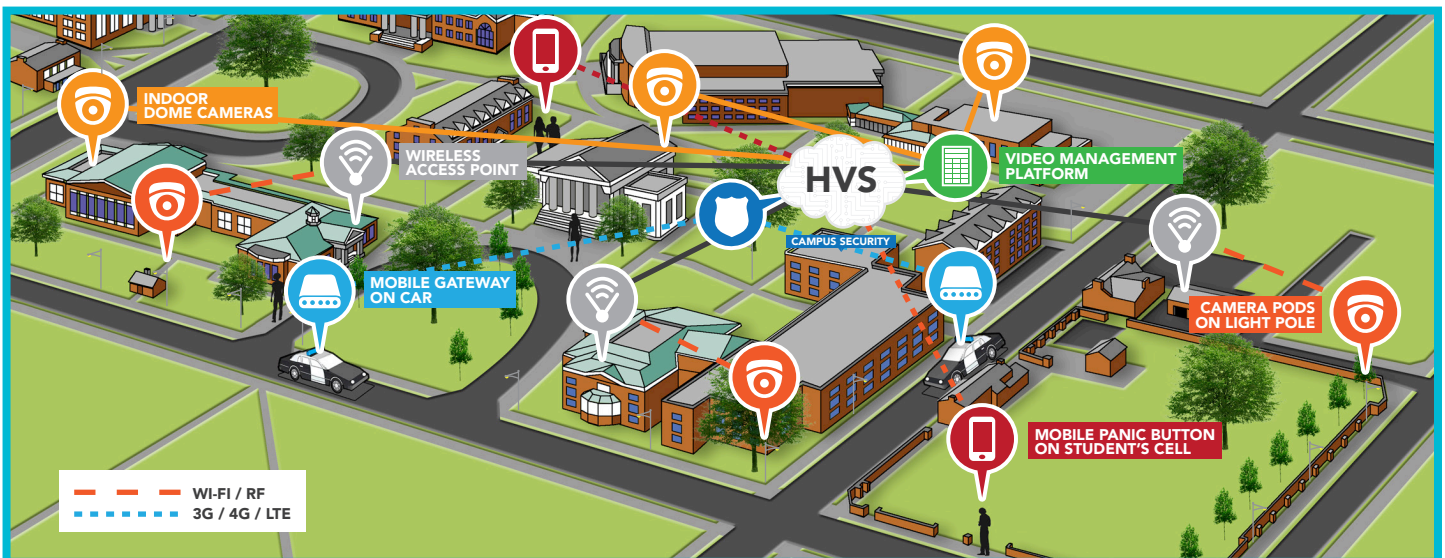


Figure 1. Hitachi solutions in action

Hitachi Visualization Platform

HVP edge-capture devices include interior, exterior, and mobile cameras to monitor all areas of a campus, including inside patrol cars and body-worn cameras. It utilizes ruggedized PCs, called gateways, for local recording. These gateway devices can integrate with various sensors (for example, GPS) that can trigger event-based recording. Current sensor integrations include, but are not limited to, body-worn cameras, blue-light emergency phones, drone escorts, guard patrol check-in stations, cell phones, and access control systems.

Hitachi Visualization Suite

HVS is an integrated, cloud-based or on-premises software solution that visualizes multiple sources of information geospatially to allow users to interact with it. HVS provides cues and correlations for seemingly distinct events that occur in silos. It solves the problem of integrating and aggregating disparate systems on college campuses. Information integration on a single pane of glass is crucial for rapid response and improved situational awareness before, during, and after an emergency. Intuitive dashboards consist of user-definable layers, giving monitoring personnel access to live video feeds and historical data. HVS can display other sensors or devices that may be part of campus patrol or facility management, such as IP phones, emergency alarms, and so forth.

Hitachi Visualization in Action

Video analytics add intelligence to the stream of information generated by campus cameras. The software examines the camera's field of view and applies algorithms to detect specific events, such as objects left behind or unauthorized people in restricted areas, and provides visual alerts when tripped.

Automated workflows solve the problem where even the best-trained operator cannot see everything at once. HVS presents the most critical information in order to prevent data fatigue. A camera can be triggered when several access denials are registered on a door access reader or when non-registered persons enter a dormitory.

Privacy filters enable pixelated images of students, faculty, or visitors on camera streams to prevent the operators from being able to see faces or other identifying features of individuals. Only authorized users are permitted access to the original source streams.

Hitachi Visualization: Benefits

For campus security, Hitachi Visualization offers these benefits:

- Implements student database integration with a facial-recognition system for classroom analytics.
- Integrates mobile phone-based panic alarm and location identification.
- Includes video and building integration - cameras, access control, fire alarm, AC, HVAC system, lighting control, smoke detection and more - for improved situational awareness in active shooter situations.
- Helps prevent crime and deter criminal behavior.
- Ensures safer and more secure environments for both students and faculty.
- Helps first responders with live situational awareness.
- Prevents vandalism.
- Enables information exchange without being limited by proprietary systems.
- Allows remote access to off-site live video from campus police vehicles and body-worn cameras.
- Integrates with third-party systems.

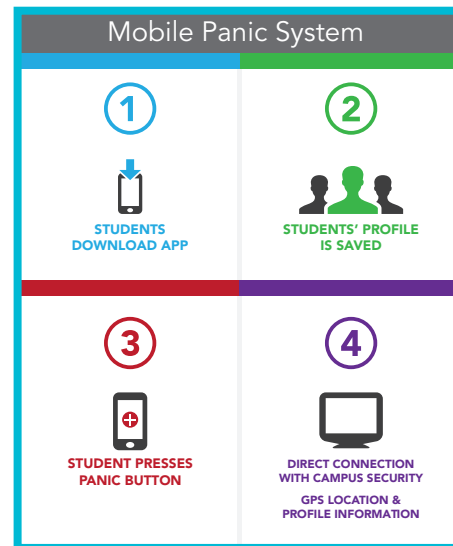


Figure 2. Mobile panic integrates with HVS

- Saves time and money in investigations and litigation fees.
- Enables information exchange without being limited by proprietary systems.
- Offers a scalable solution for asset and premises growth.

Conclusion

Hitachi products and solutions are customized to the specific safety needs of students and faculty, campus buildings, campus police, and security personnel. Hitachi provides a robust end-to-end solution for any campus environment, providing full situational awareness. HVP enables connectivity of a number of different edge devices into the system, and HVS monitors and flags suspicious persons, behavior, and objects in real-time on a single pane of glass. Hitachi Visualization offers campuses a way to prevent crime and avoid costly law suits.

For more information regarding Hitachi Visualization visit HitachiInsightGroup.com or contact your local Hitachi Insight Group representative.

Hitachi Insight Group
Global Headquarters
 3315 Scott Boulevard, 4th Floor
 Santa Clara, CA 95054-3103 USA
www.HitachiInsightGroup.com
community.HDS.com/community/IoT

Regional Contact Information
Americas: +1 877 765 1832
International: +1 408 471 4999
info@HitachiInsightGroup.com

