



Solving prison perimeter security challenges with thermal technology

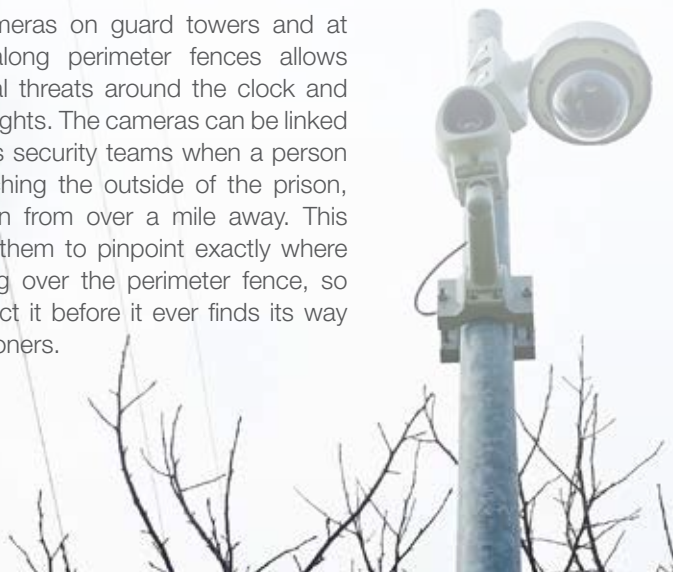
Historically, the focus on prison security has been to keep people in. However, in recent decades, the focus has shifted to a problem where contraband thrown over the fence or smuggled into prison yards finds its way into the hands of prisoners. Contacts on the outside have gotten very creative, even using new technology like UAV drones to fly contraband into the prison yards, where it is then collected by prisoners and sold inside the prison's black market.

In addition to tobacco, narcotics, weapons, and other contraband, pre-paid cell phones and even smart phones are a common item often smuggled in, which can be especially deadly weapons in the wrong hands. There have been numerous cases where prisoners used these cell phones to orchestrate escapes, to commit crimes on the outside, and even to order hits on prison guards and personnel.

In an attempt to end the influx of contraband coming over the walls, many prisons have now installed state-of-the-art thermal camera systems around their perimeters. These thermal cameras can identify potential infiltrators in any weather and lighting conditions, including on the darkest nights, and can also be integrated with day channel cameras to give security teams 24/7 surveillance capabilities of the entire prison perimeter, both inside and outside the fence, adding another layer of security against breakouts and riots.

Installing thermal cameras on guard towers and at strategic locations along perimeter fences allows users to see potential threats around the clock and even on the darkest nights. The cameras can be linked to software that alerts security teams when a person or vehicle is approaching the outside of the prison, and track them, even from over a mile away. This early warning allows them to pinpoint exactly where contraband is coming over the perimeter fence, so that guards can collect it before it ever finds its way into the hands of prisoners.

Vumii® thermal surveillance cameras can offer an advantage even at night, when most contraband is thrown, shot, or flown over prison perimeter fences





Selecting thermal cameras for prison security

Many prisons currently use visible light cameras that have severe limitations for this application. Vumii's® cost-effective thermal cameras are widely used in a variety of different environments, including mountainous, rugged, and wooded terrain. The Sii AT camera provides an effective solution for spotting suspicious or criminal activity. This popular camera, fitted with an athermal lens and digital zoom, stays in focus irrespective of changes in temperature. The tough cameras operate in all weather conditions, around the clock, and have a track record of seamless operation for many years.

The newest in the Vumii® line is the Sii OP camera, an excellent choice for this application. It is the first open source dual channel security camera of its kind, offering both thermal and visible light channels in one compact unit. It also boasts seamless interoperability with both external hardware and software, regardless of manufacturer, with one of the easiest integration frameworks on the market today.

These small, highly efficient cameras work in conjunction with 24/7 video analytics to deliver a crisp image that enables security teams to identify and respond to any unusual activity around the perimeter fence in a timely manner. Vumii® camera systems are easy to install, pre-integrated with all leading Video Management Software, and virtually maintenance free. Built to withstand harsh environmental conditions, the ruggedized Vumii® cameras provide a reliable security solution, all year round.



Vumii's® Sii AT and Sii OP are 24/7 outdoor security thermal cameras used for observing and monitoring sensitive sites. The cameras provide crisp, clear thermal images in total darkness, daylight, fog, or smoke.



Security teams can observe and investigate any situation during the day or night and even in harsh visibility conditions, such as rain and fog.



Sii AT identifying a suspicious person outside a prison wall; camouflage will not prevent detection.



Summary

When selecting thermal imaging systems for prison security and perimeter surveillance, affordability and consistent performance with reliable alerts are major considerations. Vumii's® thermal cameras with analytics are easy to integrate and operate, allowing security teams to monitor what is going on inside and outside the perimeter at all times, 24/7, even in bad weather or complete darkness. The cameras can alert and report suspicious activity even in the worst visibility conditions, helping to catch criminals who are trying to take advantage of the situation. For more information about our customizable systems or a quote, contact us today.