

Solar Array

VIDEO SURVEILLANCE SECURITY

Securing Critical Assets and Infrastructure

Theft from remote solar arrays, including solar panels, copper and other metals, is on the rise. While the loss of materials can be significant, it is usually overshadowed by the expense of repair, system downtime, and risk to employees.

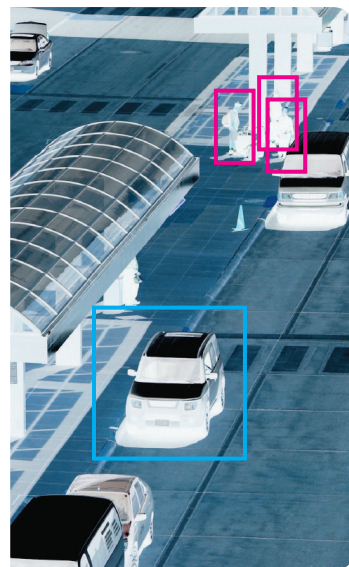
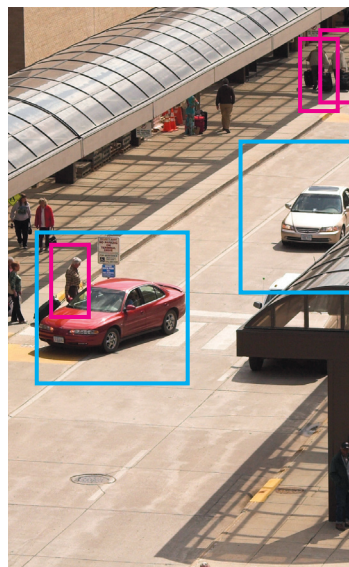
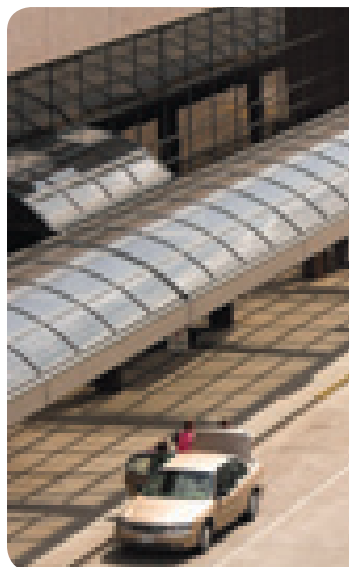
3 approaches to solar array surveillance:

1. PASSIVE SYSTEMS are designed to collect evidence for post-event investigation. These systems are typically rated by the image quality, recording time, and coverage area.

2. ACTIVE SYSTEMS use intelligent video detection to trigger automated audible and/or visual alarms such as sirens, light bars, or strobes in the event there is a security breach. For example, a vehicle loitering just outside the perimeter fence or someone jumping the fence.

3. PROACTIVE SYSTEMS are fully automated in terms of intelligent video detection, audible and visual alarms, alerting upon defined events, and ability for a monitoring station to take direct live action to prevent and/or document the event. This typically comes in the form of a “talk down” or dispatch of a security resource.

Security cameras directed at the solar array can define and surveil a security perimeter and/or an area of interest.



SOLAR ARRAY SECURITY ...

3 levels of array security

1. MINIMAL surveillance for an array can be a passive or active system, using fixed IP-based cameras with image resolution that is sufficient for identification of an individual in a post-event investigation. These systems are stand alone and are typically configured to record on motion to preserve network storage. The system may not cover the entire array footprint.

\$2,500 – \$3,500
per camera

2. BETTER surveillance incorporates proactive systems that leverage adaptive analytics (ability to determine the difference between animals, people, and vehicles) to provide full coverage of areas of interest. These systems have high bandwidth connections to a monitoring station for immediate response to intrusion by an attendant. They have long range infrared illumination or high power white light to maximize the capabilities of the analytics. The system has a low rate of false alarms when compared to motion detections, due to the adaptive analytics.

\$3,500 – \$5,000
per camera

3. BEST surveillance is found in proactive systems that cover the entire area of interest, uses very high resolution video, and employs thermal imaging technology. The inclusion of thermal imaging technology allows for the creation of a virtual fence which enables the system to operate in environments without ambient or event triggered lighting.

\$7,000 – \$10,000+
per camera

Do you need to bring your security strategy up to date?
Contact us for a security evaluation and consultation.

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