

CASE STUDY

Securing Corporate Campuses With AI-Powered Video Analytics

Hundreds, if not thousands, of individuals enter large commercial and corporate buildings every day. As a security or safety stakeholder for a major multi-company office campus, you know all too well that there are extensive lists of persons – either safelists or blocklists – about whom you need to be notified when they enter the premises. Whether it's a VIP, a disgruntled former employee or a known criminal, it is vital their presence is known so that your security team can react accordingly.

For one such customer, their Be On The Lookout (BOLO) list was certainly put to the test.

The Challenge

This large enterprise customer's facility, featuring multiple buildings, offsite locations and secure access areas, experiences extremely high foot traffic at all hours of the day and night. After uploading staff headshots into the Vintra platform, along with a handful of individuals on an existing BOLO list, the customer requested we run a test on the interior cameras from 17:30 to 07:00 to determine how many unique faces would be detected, and how many false-positive detections the solution would accrue.

Among other hits on the ensuing BOLO list search, there was a positive match on a woman who frequented the premises for illicit purposes. An old headshot was used as the reference photo, and although the woman's hair was a different color and now styled so that it partially occluded her face, she was still correctly identified as a member of the organization's blocklist. In a real-time scenario, the appropriate persons would be alerted, a team dispatched and she would be quickly escorted from the premises.

In total, this 13-hour test against this single headshot produced 11,000 unique face detections and a greater than 95% accuracy rate on the customer's BOLO list.

“The Vintra solution automates and supercharges the process by which you monitor live video and search recorded video for events that matter.”

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The Vintra Solution

Upon reviewing the test results from the BOLO test, members of the organization's CXO team requested that their security team show them how the Vintra solution would work on exterior cameras — which were deemed more challenging.

At random, they asked to be shown all women wearing red on the lower half of their body who used a busy entryway during the test time period. Much to their satisfaction, the first page of search results was full of unique detections of women wearing red clothing on their lower body. This type of search, if done manually, can lead to hours upon hours of manual video review.

These events are not relegated to the enterprise sector. In the fall of 2018, a California man went missing after attending a pro-sports game. The police and security team involved subsequently spent hundreds of hours reviewing video from surveillance cameras and collected video (including from mobile phones), attempting to find the man and piece together his postgame path. This process, the time, and resources required are unfortunately all too common in the world of security and investigations.

A Smarter and Safer Security Environment for Your Organization

For this enterprise campus, Vintra allowed them to add intelligence to their already-installed cameras, features flexible, enterprise-grade deployment options and utilizes industry-leading, proprietary AI that is up to 10x faster versus any other systems available today.

Vintra empowers both real-time and post-event search, mitigates risk and reduces security threats in real-time, while also empowering investigators with tools to resolve incidents exponentially quicker. Because the solution works on any existing camera the customer owns or intends to purchase in the future (such as drones, body cams, etc.), the only hardware investment needed are GPU-capable servers that can be purchased from any major hardware vendor.

With the Vintra solution, campus security professionals are able to quickly assess potential threats and take necessary action — without overburdening their security teams. And with a powerful AI-based approach to video analytics, they can better manage potential security breaches and ensure the security and safety of their people, places and things.

For more information and to schedule a demo, please visit vintra.io.

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