



Intelligent Alert - Exacq Facial Matching

Smart, Scalable Security for Retail

Facial matching for retail loss prevention

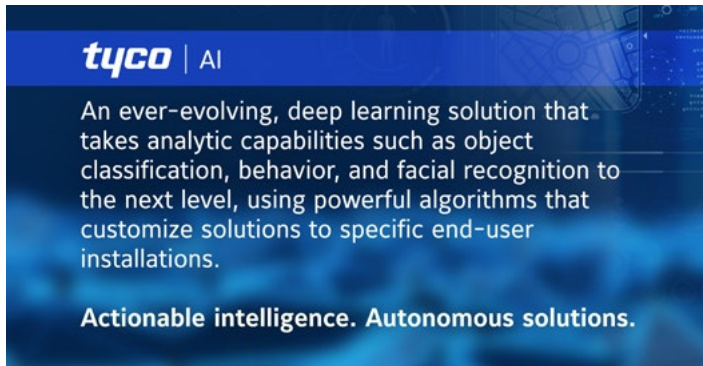
Managing shrinkage in retail is a constant part of business, yet 63% of loss prevention teams remained the same size or shrunk in 2019¹. The Exacq Facial Matching intelligent alert solution offers an efficient way to focus the energy of loss prevention teams on high probability suspects.

Exacq Facial Matching allows the faces of suspected, apprehended and prosecuted individuals to be registered from surveillance video and matched in real time upon future entrances to the site. Immediate notifications sent via email or mobile app push notifications provide critical information to LP teams allowing them to investigate and react appropriately.

Key Features

- Deep learning facial matching
- Integrated directly into exacqVision
- Works with any camera
- Register faces automatically from triggered events
- Real time notifications via email
- Mobile app push notifications

¹NRF Security Survey 2019,
<https://cdn.nrf.com/sites/default/files/2019-06/NRSS%202019.pdf>



An AI-enabled front door host

Enabled by Tyco AI, this deep learning facial recognition engine provides high accuracy facial matching, even with partially obscured faces due to glasses, hats, and varied angles of view.

Flexible registration

Registration of faces can be automated to trigger on other systems, including point of sale events or RFID events, allowing retailers to build up a list of persons of interest without intensive effort. Not every suspected shoplifter will trigger a pedestal, so faces can also be registered seamlessly from the exacqVision search workflow from any camera's video. Finally, if no video is available to register a suspect, a face can be registered through import of a single image.

Different categories for a customized response

Once registered, faces can be assigned different categories, providing loss prevention teams with context to react appropriately to the situation. A returning prosecuted shoplifter and someone who has made a series of large returns can be classified differently. When using the Exacq Mobile app on supported iOS or Android devices, push notifications will also include an image of the person of interest, for additional confirmation of the situation. The flexibility of the solution even allows for uses outside of loss prevention. Loyalty customers or VIPs can be registered and generate notifications to sales personnel upon arrival.

Scalable deployment

The Exacq Facial Matching solution can work with any IP camera with appropriate H.264 stream configuration. Facial Matching processing is performed on a dedicated server running the Tyco AI software. Software licensing is sold per-camera, performing continuous scanning for matches at entry points. Visit www.exacq.com for details on Tyco AI hardware specifications and contact your authorized exacqVision security integrator for more details.

Peace of mind with privacy and cybersecurity protection

Tyco AI adheres to the rigorous standards of the Johnson Controls Product Security Program. Johnson Controls takes a holistic, structured approach to help you protect systems and sensitive data from the risk of a cyberattack. Our disciplined governance, expert-driven design, and security-infused development are aimed at providing peace of mind to our customers. Ever evolving with a commitment to partnership, we provide rapid incidence response to meet the comprehensive needs of cybersecurity environments. Access to the facial matching database is restricted to appropriately credentialed users and faces scanned at entry points that do not match any registration are discarded, ensuring the privacy of the general public.



Johnson Controls

Johnson Controls is a global diversified technology and multi industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all of our stakeholders through strategic focus on our buildings and energy growth platforms.

For additional information, please visit exacq.com or follow us on Facebook, Twitter, and LinkedIn.

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