tyco | Exacq

Intelligent Alert
Exacq Facial Matching

tyco | AI

An ever-evolving, deep learning solution that takes analytic capabilities such as object classification, behavior, and facial recognition to the next level, using powerful algorithms that customize solutions to specific end-user installations.

Actionable intelligence. Autonomous solutions.
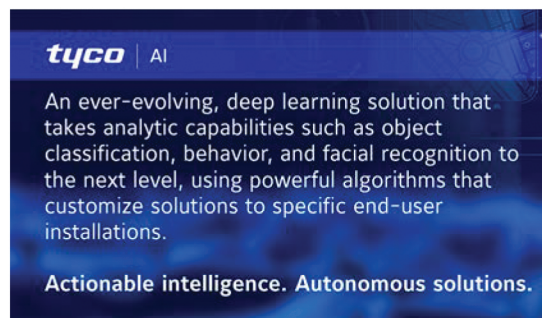
Key Features

- 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

An AI-Enabled Front Door Host

Exacq's Facial Matching solution provides immediate notification of arriving persons of interest. Faces can be classified into different categories, so that personnel can be deployed to respond appropriately. 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.

Accurate Recall of Every Noteworthy Person of Interest

Recognize suspected shoplifters returning to a store, a person of interest entering a high-profile sporting event, or a returning VIP customer with this facial matching solution from Exacq. Faces can be registered from imported images or from any recorded video. exacqVision's Event Linking capability can automate the registration of faces for future recognition with point of sale transactions or electronic asset security events. 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.

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Safeguard Against Cyber Attacks

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 piece 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.

Recommended Hardware Specification for Tyco AI Server

Component	4 Channels of Facial Recognition	16 Channels of Facial Recognition
CPU	1 x Intel Core i9-9820X 3.3GHz with 10 cores	2 x Intel Xeon Gold 6230 2.1GHz with 20 cores
GPU	1 x Nvidia Quadro RTX4000 8GB	4 x Nvidia Quadro RTX4000 8GB
RAM	64GB DDR4 RAM	128GB DDR4 RAM
Storage	512GB SSD 4TB 7200rpm SATA enterprise HDD	1TB NVMe SSD 4TB 7200rpm SATA enterprise HDD
Network	2 x 1Gb Ethernet NICs	2 x 1Gb Ethernet NICs

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.

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