



An Intelligent Solution for Accuracy and Detection



Bringing Artificial Intelligence to victor/ VideoEdge

Powerful AI and video analytics can now be combined and integrated with the victor/ VideoEdge solution to strengthen operation efficiency and effectiveness. By simply allocating a license to a camera, the system will immediately begin collecting behavioral metadata reporting key performance indicators and trigger real-time alarms. Detect suspicious objects and abnormal behavior to identify trends that help mitigate threats, and pinpoint exact location of alarms on maps to arm security teams with life-saving details. With the powerful, automated and forensic search capabilities powered by Tyco AI, victor/ VideoEdge users are able to save time when minutes matter.

Key Features

- Intelligent Person Search and Re-Identification
- Automatic Face Redaction
- Area Occupancy Management
- Tyco AI Face Matching
- Facial Mask Detection

Developing victor/ VideoEdge with AI capabilities equips customers with a comprehensive, intelligent solution for high accuracy, and more powerful features, thus giving their business security a superior advantage against potential threats.

Ensure Reliability and Business Continuity with a Cybersecurity Program

Our systems have been designed to be resilient against cyber threats. The Tyco AI suite, VideoEdge NVRs and victor VMS adhere to the rigorous standards of the Johnson Controls Cyber Solutions Product Security Program. The holistic approach to cyber protection is aimed at providing peace of mind to our customers. Our security mindset begins at initial design concept and is supported through deployment, including a rapid incident response to meet the comprehensive and evolving cybersecurity environments.

AI Features

Capability	Description	Host Platform
Re-Identification Intelligent Search	Starting with an example photo, video system operators can locate persons of interest based on their appearance in just a few moments. Perform searches of people using a previously saved image or from still images captured from live video within victor Client. The results for these searches can be sorted by relevance or time, and selected clips can be saved/ exported.	VideoEdge 2U NVR VideoEdge Rack Mount NVR
Automatic Face Redaction	With automatic face redaction, faces on exported clips can be pixilated to protect an individual's privacy when an individual is in the camera's view, but not critical or part of an event.	Tyco AI Server
Area Occupancy	Using AI technology, you can automate the counting of people. With this feature enabled, the security administrators can focus more on other important tasks while the people counting feature runs automatically. The occupancy count can aggregate multiple entrances and exits within the entire camera deployment.	Tyco AI Server
Facial Matching	Enables rapid real-time alarms and/ or quick forensic recognition of known and enrolled faces including VIPs and unwanted persons.	Tyco AI Server
Mask Detection	Allows for quick and efficient response to ensure the overall health and safety of those within the building or area. Using AI and analytics, security administrators are able to detect when people entering a building are not wearing a mask.	Tyco AI Server

Tyco AI Server Specifications¹

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

¹Tyco AI Server sold as software licensing only. Please visit <https://tyco-tsp.com/ai/> for release notes, required hardware specs and user guide. for more information or contact your local sales representative.

² Only one analytic feature can be used per channel or stream.

Ordering Information

Model Numbers	Description
ADV-TCREID01	victor add-on, 1 intelligent search - person: Centralized license, per camera
ADVE-TCREID01	VideoEdge add-on, 1 intelligent search - person: VE local license, per camera
ADAI-TYCPPL01	Tyco AI server add-on, 1 occupancy license, per camera
ADAI-TYCPPLSSA	Tyco AI server add-on, 1 occupancy SSA license, per camera
ADAI-TYCFACE01	Tyco AI server add-on, 1 face detection license, per camera
ADAI-TYCFACSSA	Tyco AI server add-on, 1 face detection SSA license, per camera
ADAI-TYCMASK01	Tyco AI server add-on, 1 mask detection license, per camera
ADAI-TYCMASSSA	Tyco AI server add-on, 1 mask detection SSA license, per camera

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.americandynamics.net or follow us on Facebook, Twitter, and LinkedIn.

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