

Facial Biometrics



Key Features

- Rapid recognition of known faces, including VIPs and unwanted persons, for a fast response time
- Facial biometrics engine built into VideoEdge NVRs or Tyco Analytics Appliance
- Add up to 10,000 identities per NVR for maximum scalability in an enterprise environment
- Real-time or forensic facial matching across locations from a single workstation

Instantly Match Thousands of Enrolled Identities

The victor and VideoEdge Facial Biometric Analytic immediately alerts operators when known individuals enter an area of interest, allowing for a fast and efficient response. Add up to 10,000 people to victor's Identity Manager, saving resources and providing a scalable facial recognition infrastructure across dozens to hundreds of NVRs. Images can be dynamically added to the database by uploading headshots or saving video still frames. Stored and indexed faces can be easily searched for across the entire enterprise and corresponding video is displayed for forensic investigation.

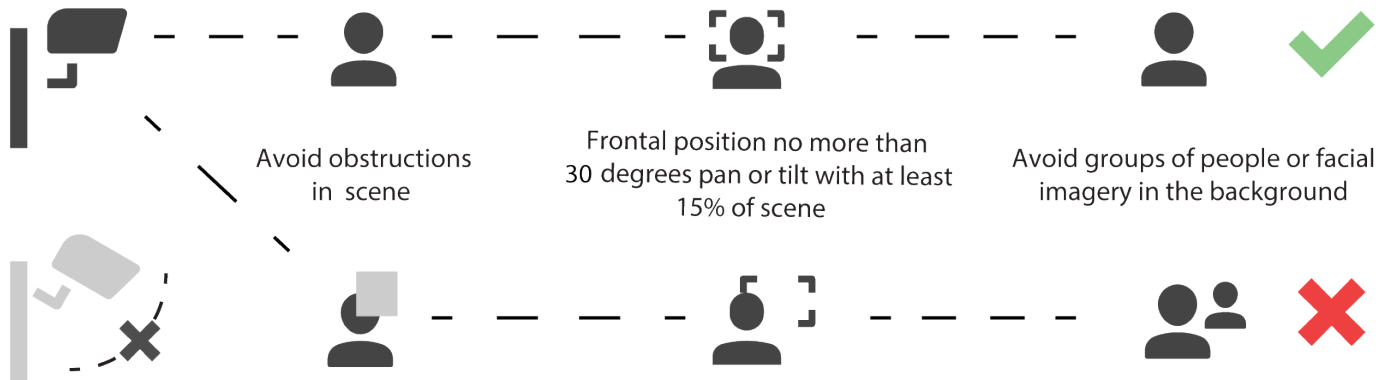
Utilize this analytic to spot or search for persons of interest such as VIPs, terminated employees and known criminals. By integrating victor and VideoEdge Facial Biometric Analytics one can easily manage alarms and associated video for a streamlined surveillance system experience.

Ensure Reliability and Business Continuity with a Cybersecurity Program

victor VMS and VideoEdge NVRs 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.

Camera Placement

Reduce motion with mounted camera at eye height.



Recognition Range

	640x480	1024x768	1280x720	1600x1200	1920x1080
3mm	1.5ft/ 0.46m	2.3ft/ 0.7m	3ft/ 0.91m	3.7ft/ 1.1m	4.4ft/ 1.34m
9mm	5.3ft/ 1.62m	8.5ft/ 2.6m	10.6ft/ 3.2m	13.3ft/ 4.1m	16ft/ 4.9m

Recommended Technical Specifications

Lighting Conditions	
Glare	Avoid glare on glasses
Sunlight	Keep away from direct sunlight that causes strong shadows or glare
Facial Lighting	Even lighting with minimal shadows
Overhead Lighting	Avoid casting shadows over face
Camera Settings	
Camera Type	Color or Monochrome (preferred)
Camera Sensor	>0.5in/ 12.7mm
Lens Type	Low aperture or fixed focal length
Mounting Height	Eye-Level
Distance Between Eyes	50 pixels (15% of FOV scene)
Enrollment Image Settings	
Person/Identities per Recorder	Up to 10,000
Resolution for Face	400 pixels
Camera Range	3 to 5ft/ 0.9 to 1.5m
Images per Face	Up to 30
Image Angles	Straight on, slightly left, slightly right, slightly up, slightly down

Ordering Information

Model Numbers	Description
ADVC-VEFRT1	Centralized VideoEdge Facial Enrolment Tier1 >25 People/sold 1 per camera
ADVC-VEFRT2	Centralized VideoEdge Facial Enrolment Tier2 >100 People/sold 1 per camera
ADVC-VEFRT3	Centralized VideoEdge Facial Enrolment Tier3 >1000 People/sold 1 per camera
ADVC-VEFRT4	Centralized VideoEdge Facial Enrolment Tier4 >10,000 People/sold 1 per camera
ADVE-FRT1	Local VideoEdge Facial Enrolment Tier1 >25 People/sold 1 per camera
ADVE-FRT2	Local VideoEdge Facial Enrolment Tier2 >100 People/sold 1 per camera
ADVE-FRT3	Local VideoEdge Facial Enrolment Tier3 >1000 People/sold 1 per camera
ADVE-FRT4	Local VideoEdge Facial Enrolment Tier4 >10,000 People/sold 1 per camera
ADVEFVC01	Local VideoEdge 1 Add-on license Face Verification Camera (Swipe-n-Show). For system >1000 People/sold 1 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.

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