IDENTIFY

SYMPHIA
Face
Detect

INTELLICENE
SECURITY /// EVOLVED

Symphia FaceDetect. Facial Recognition for the Real World.

Apply Powerful Live and Recorded Video-Based Deep Learning Analysis to Quickly and Accurately Find Persons-of-Interest In Real-World Situations.

Symphia™ FaceDetect is a powerful and versatile video analysis solution that can provide situational intelligence to security operations centers through powerful facial recognition technology.

The system can detect, track and alert on persons-of-interest appearing in video surveillance streams in real-time, across multiple sites and thousands of cameras simultaneously, returning results in seconds on live video analysis. This tool is easy to implement and highly effective, designed with deep learning technology to help mitigate risks in real world environments.

Symphia FaceDetect addresses over 12 real-world challenges that organizations face, all while performing real-time, n:n comparison against multiple databases and watchlists.

The system's real-time and forensic-search recognition capabilities and utilization of large detection databases can make investigations faster and more efficient.

Armed with this information security operators can utilize Symphia FaceDetect to quickly identify persons of interest.

12 Challenges Symphia Can Help You Overcome to Succeed In Your Environment

Active Avoidance

Style Changes

Disguised – Including Face Masks*

Natural

Aging (up to 20 years)

Ethnicity-Independent

Situational

Changing/ Low Light

Workwear

Multiple People in a Scene

Brief View (<1 second)

Indoor/ Outdoor

Angle/ Partial View

PTZ

Mobile/ Wearable Input

Utilize Real-Time Intelligence to Secure Your Environment

Symphia FaceDetect offers a new level of visibility that scales the effectiveness of an organization's security operations by quickly identifying faces and comparing those facial images to a customer-driven database, known as a watchlist (both POI and Approved Lists), to create alarms or events. Hundreds of faces can pass through the field of view of any camera across multiple sites and be identified as a match to those predetermined persons of interest.

Fast and Accurate Recognition In Any Condition

The system features one of the highest true positive rates and lowest false positive rates available. The accuracy of the system has been successfully experienced in real-world situations such as varying m profile angles, crowded fields of view, difficult lighting environments, highly diverse subject matter, and when people only appear briefly, even down to 1/10th of a second.

Fast, Accurate Identification Leading to Successful Responses

Number of Faces Within View	Action to Add Person to Watchlist	Identification to Alert	Identification Accuracy
100's	**Single-Click**	**<2** seconds	**99.97%** true-positive

Identifying Faces from Any Angle, with Low Light, Using the Lowest Required Face Image Size in the Industry

Symphia FaceDetect enables customers to view many faces within a field of view, even proving effective with face images as small as 45x45 pixels. At times it's difficult to capture individual faces looking straight into a camera; Symphia FaceDetect is designed to excel at identifying multiple faces within a field of view, at extreme angles and light variations, even disguised or wearing a face mask*. This helps customers easily match an identified person of interest to nearly any face appearing in a camera's field of view.

Mission-Critical Force Multiplier to Protect Against Universal Threats

Used in real-time or forensically, Symphia FaceDetect can compare live or recorded video to generate a scalable tool that works around the clock to identify and alert on specific persons-of-interest now and into the future.

GDPR and Privacy

Symphia FaceDetect has a wide range of capabilities that can be configured and used to assist in complying with the GDPR, these include Privacy Mode, Watchlist Control, Blurring and User Rights Access Control.

One of the most accurate matching algorithms in the industry

One of the highest true positive rates / lowest false positive rates

Technology designed to be effective in real-life situations

Fast and easy to deploy utilizing your existing IP cameras

Quick and Easy Deployment Yields Incredible Results

Build and Leverage Highly Flexible Security Watchlists
Customers can build their security persons-of-interest list by importing basic, static facial images as well as video surveillance still images detected through video analysis, personal, or social media images. By aggregating these images, customers can label and add notes to the individual profiles and

use them for future identification reference. With Symphia FaceDetect an operator can also use those images to determine past sightings— a valuable capability. These same capabilities allow customers to create Approved List to identify known, trusted or verified people.

Ease Of Deployment To Minimize Set-Up Cost

Per Camera Set-Up Time
<1 hour

Open Integration to Any Camera
Single-Click

System Scale
<2 seconds

Quickly Deploy FaceDetect on any IP Camera, with Cost-Efficient Hardware
Symphia FaceDetect is fast and easy to deploy. It was designed to be cost efficient and can work seamlessly with your existing equipment and network architecture to capture and analyze multiple streams of video from any IP camera, including PTZ. In addition, a GPU load balancing mechanism assures optimized utilization of resources.

Symphia FaceDetect offers organizations an intelligent methodology to help keep people, property and assets safe by confidently mitigating the risk posed by suspicious and identified nefarious-behaving individuals

Incident Handling Process

Face Detections
(Connects Event
with Video)

Face Detections
(Initiates Alarm
Procedure)

Face
Recognitions
(Alarm)

Symphia FaceDetect

Symphia VMS

Symphia Control
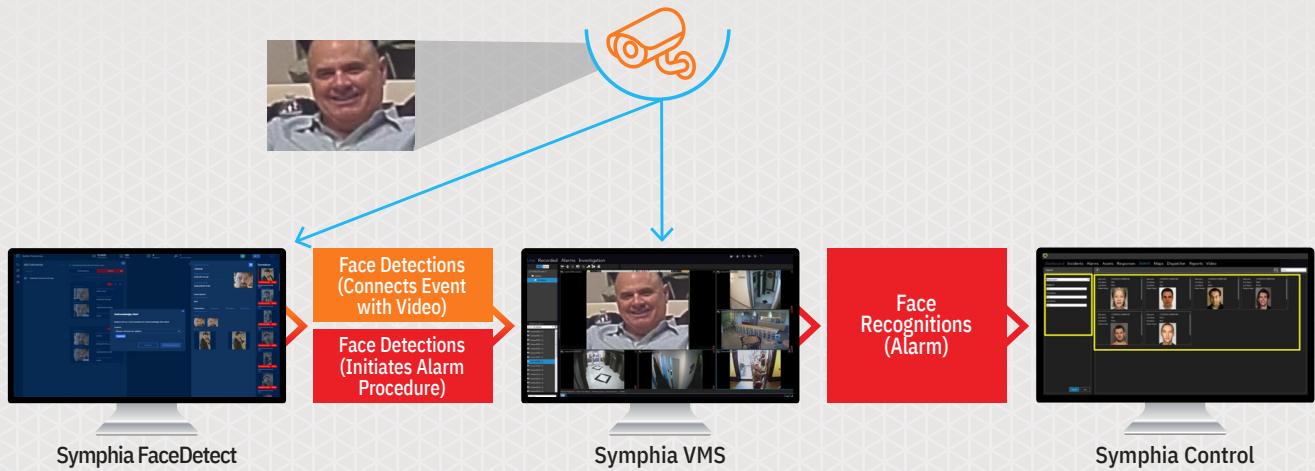
# Integrate with Symphia's Security Operations Center

Symphia FaceDetect was designed to work seamlessly within the security operations center. Live detections from recognition matches can be easily shared with Symphia VMS, and if rules dictate, can be escalated to the Symphia Control. This advantage is significant in enhancing the ability of operators to respond accurately to an incident using Symphia NowForce to assign the closest responder to the scene.

Symphia Intelligent Security Operations Center

Symphia FaceDetect
Investigations

Symphia FaceDetect
Live Monitoring

Symphia VMS

Symphia Control

* version 2.5
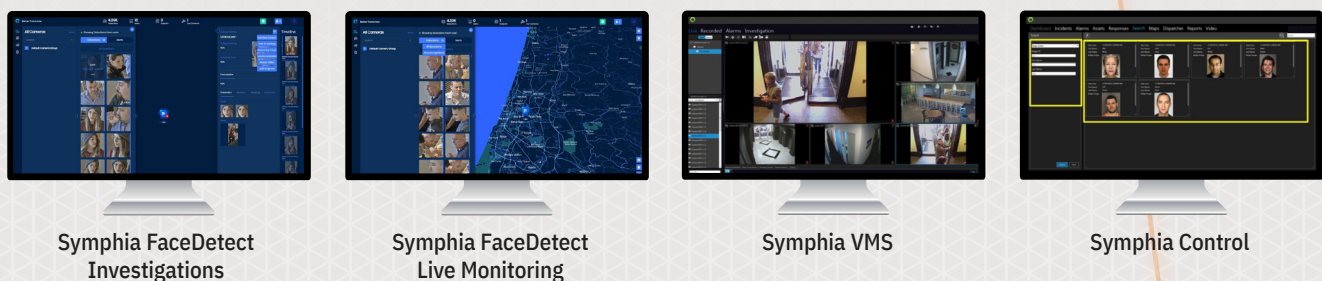
A powerful and versatile way to complement the ISOC

Governments and enterprises can recognize, alert and act upon identification of persons-of-interest. With seamless integration to the Intelligent Security Operations Center, Symphia FaceDetect provides real-time and forensics tools, ensuring operators are equipped to protect what matters most..
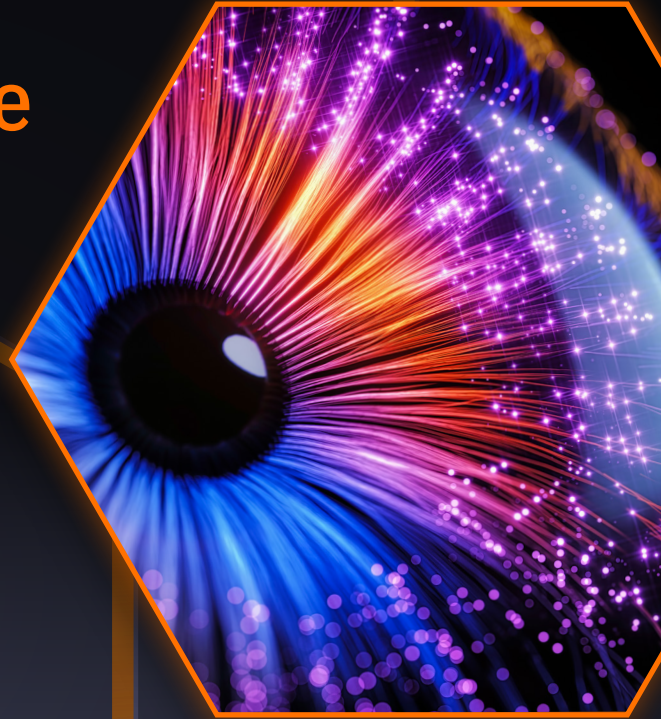
Schedule an Online Demo Today

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