Cognitec

FaceVACS-VideoScan

Face recognition technology

for real-time watch list alerts and anonymous people analytics

- instantly detect, track, recognize and analyze people in live video streams or recorded video footage
- perform instant comparisons to image databases/watch lists

- receive real-time notifications when user-defined events occur (e.g., Banned Person at Entrance West)
- send event notifications via email or Telegram instant messenger

- use anonymous facial analysis to compute people analytics while protecting privacy
- store and view face streams for each appearance of a person over time

When did he enter?

Is he a banned person?

Is he wearing a mask?

How old is she?

Was she here this month?

Is this valued customer Sarah Smith?

When were they last seen together?

How many people are in the lobby? Is it too crowded in this area?

Applications

Surveillance

- screen public or private places (e.g., shopping malls, airports, casinos, hospitals and banks) and identify known individuals in real time
- search recorded video files for unknown persons or persons enrolled in a database
- monitor access to restricted areas

Recognition of valued customers and frequent visitors

- alert staff to provide special treatment to valued customers

People analytics, people flow and business intelligence

- use anonymous demographical data for operational decisions

- analyze traffic patterns and times to change interior design, place advertising and plan staffing
- detect crowds and manage waiting/ transit times in specific areas
- alert staff to persons not wearing a required virus protection face mask
- prevent double-counting or re-entering of the same person

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Features

- stores high-resolution video sequence of the cropped face (face stream) for each appearance
- compares all persons against each other in real time to cluster identities and display all appearances of each person
- provides predefined event detectors with configurable parameters
- enrolls images to watch lists, also from live video streams
- quickly imports sets of recorded video files
- performs complex investigations on persons appearing in real-time camera streams and/or recorded videos
- allows for user access control by role
- uses Cognitec's latest algorithms for face finding, matching, age estimation and underage detection (18 or 21)
- provides browser-based user interfaces to use the video analytics capabilities and administrative functions

Managed Service Option

FaceVACS-VideoScan ES

The Enterprise Solution offers customers all the advantages of a turnkey solution.

Cognitec has selected optimal computing and camera equipment to guarantee industry-leading biometric performance.

The subscription-based system can be installed at the customer's premises, at the edge, or in the cloud.

Cognitec is the only company worldwide that has worked exclusively on face recognition technology since its inception in 2002. Various independent evaluation tests have proven the premier performance of the FaceVACS® software. Cognitec's portfolio includes products for facial image database search, recorded video investigation, real-time video screening and people analytics, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices in Rockland, MA, USA and Sydney, Australia.

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