SmartFace 5

Making Every Camera Smart

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* INNOVATCICS









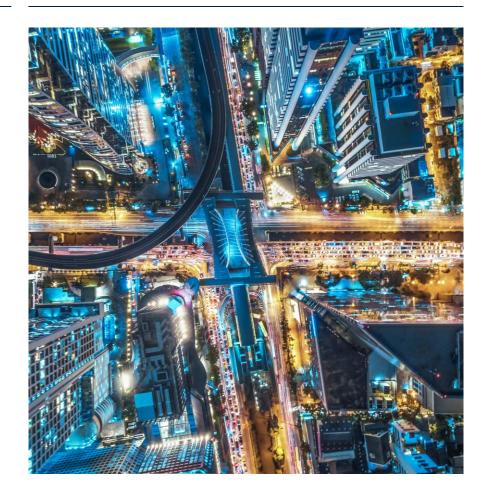


The SmartFace 5



Solving Smart Cities security challenges

Scalable video analytics platform able to process multiple real-time video streams



Preemptive Security





Edge-to-Cloud Architecture

Save server resources and reduce bandwidth requirements



Watchlists and Notifications

Manage multiple watchlists and get real-time notifications



Instant Search & History View

Perform highly accurate searches in history of all detected faces



Rapid Video Investigation

Speed up investigation with processing video files faster than real time

Scalable Edge-tocloud Architecture

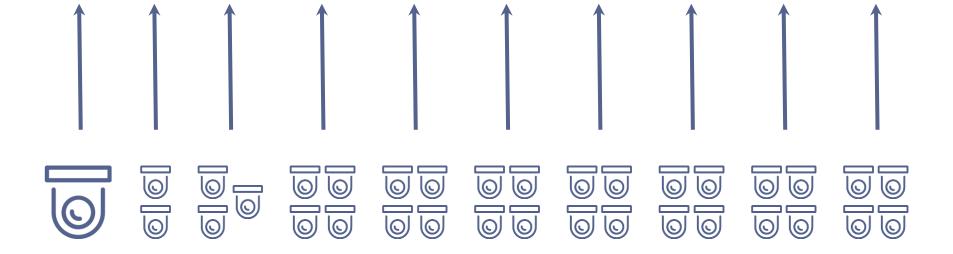


- video decoding
- face detection
- template extraction
- template matching





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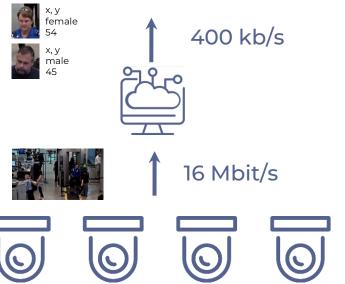
- video decoding
- face detection
- template extraction
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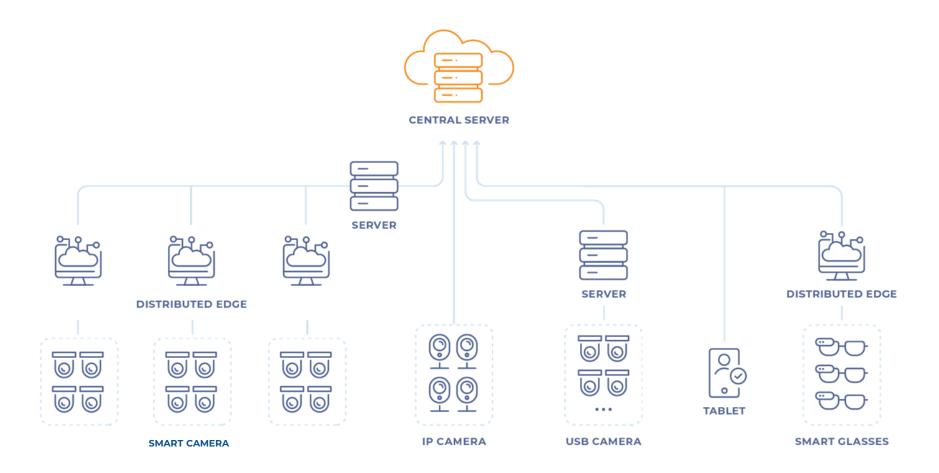
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- video decoding
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Watchlists and Notifications

Watchlists and Notifications

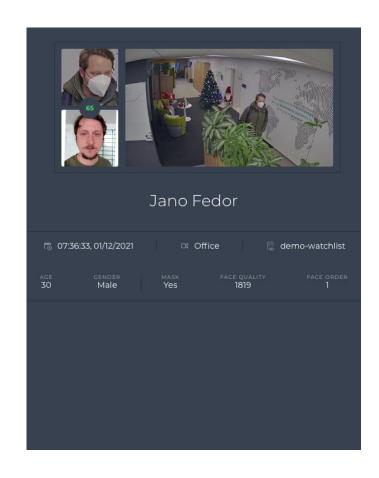
Detect and track multiple faces in one frame

Get notifications of a detected and identified face in milliseconds

Only relevant notifications from chosen cameras

Pedestrian/Human Body detection

Accurate identification, even with a face mask or sunglasses on



Custom Security Strategy

Display only relevant details

Select the notification type

Preview only relevant camera streams

Custom view per user

Responsive design supporting various devices



History and Face Search

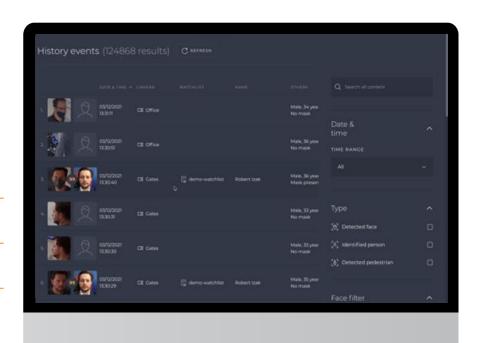
History Preview

Browsing over the large set of video files

Search suspect in video footages

Limit the search for relevant criteria

Filters according to time, date, position, age or gender



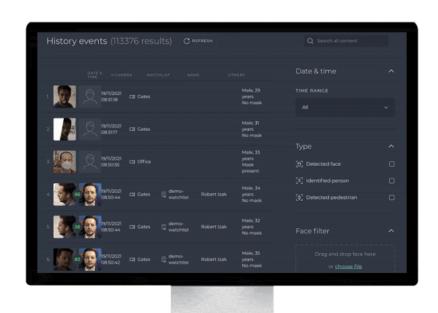
Search Faces by Image

Instant search across all database

Search individual by partial face image

Filter the results

Save hours of manual preview



Rapid Video Investigation

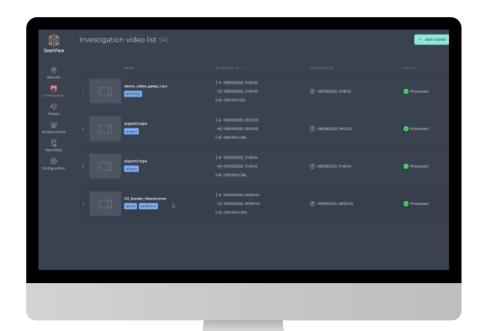
Rapid Investigation

Solving the security incidents

Process multiple offline videos and identify suspects

Faster than real-time processing

Browse among detected individuals





If Work Is Going Remote, Why Is Big Tech Still Building?

Google, Facebook, and others promise more flexibility to work from home. But they're charging ahead with plans for more offices.

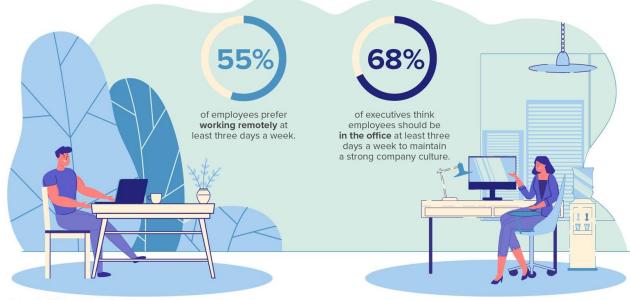


A Google building under construction. The company plans to build a new campus in downtown San Jose. PHOTOGRAPH: DAVID PAUL MORRIS/BLOOMBERG/GETTY IMAGES

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Hybrid model is preferred by employees and companies

Post-COVID-19: U.S. Employees, Execs Differ over Number of Days Workers Should Report to Office



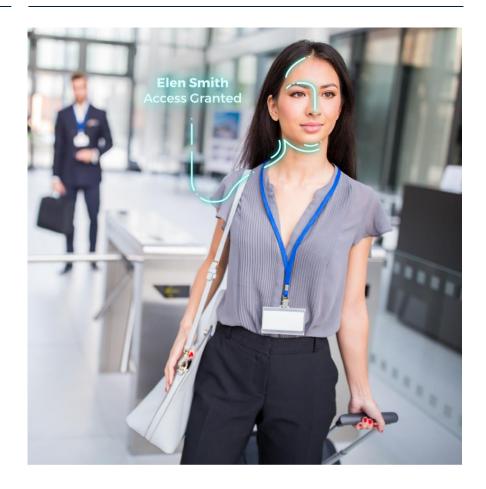
Source: PwC U.S. remote work survey

The SmartFace 5



Seamless Access Control for the safe and secure buildings

Contactless biometric Access Control solution for Smart Buildings



The Purpose of the Office is Changing

Less desks, more space for work and networking

Seamless Access & Security

Home Office Tools for enhanced Security & Attendance tracking

Touchless Covid compliant environment



New Headaches for Operations and Security

Accesses violations

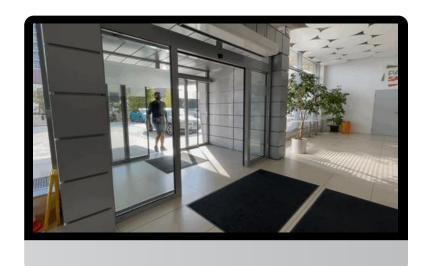
Tailgating & Monitoring

Covid restrictions fulfillment

Identity thefts and frauds



Seamless Access Control





Watchlist Autolearn

Gain exceptional accuracy with automatic updates of biometric templates



Passive Liveness Check

Prevent spoofs and distinguish a real face from an image

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Enrollment Solutions

Add users to watchlist with remote onboarding









Supporting Existing Infrastructure

Integrate through REST API

Seamless Experience

Seamless Experience

User does not have to interact with any other terminal or system, just seamlessly pass the access point.



Watchlist Autolearn

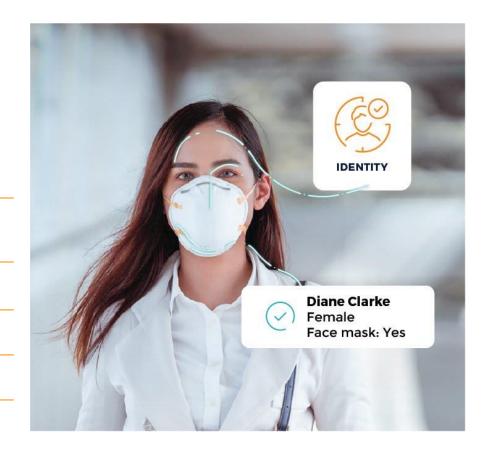
Identify Partially Covered Faces Accurately

High accuracy with face mask or sunglasses on

Works in very challenging conditions

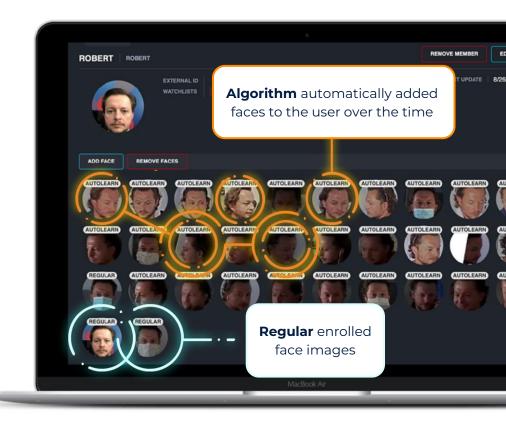
Checks if the face mask is worn properly

Notifications for access control



Watchlist Autolearn

Ensures exceptional accuracy even when the individual's face attributes gradually change over time.



Passive Liveness check

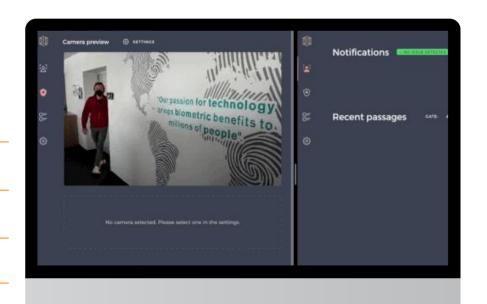
Passive Liveness Detection

Detect spoofing attempts

Prevent unauthorized access to premises

Get real-time notifications

Save costs on security staff



Full set of tools and components for your seamless access control



Access Registration

User Registration via Mobile Application



Access Controller

Ensuring Seamless Opening of Access Points



Access Station

Dashboard for Your Access Control Personnel



Cloud Matcher

Lightweight Face Matching Service

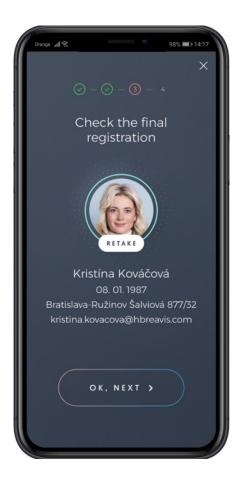
Access Registration App

Access Registration App

Enrolls a new user in less than one minute

Grants entry permission remotely

Enables for one-time or temporary access



Enrollment According to the GDPR

Dedicated enrollment app to collect user's consent for personal data processing.













Access Controller

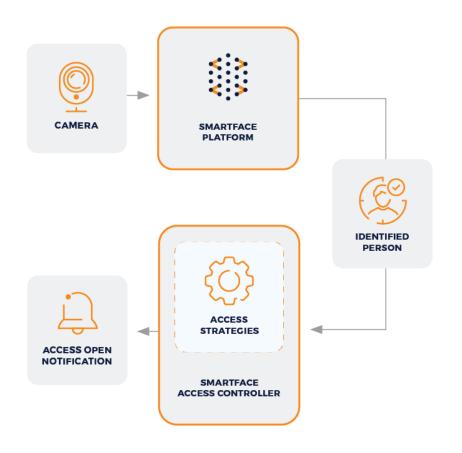
Access Controller

Uses customizable strategy to open access points

Only an authorized person closest to the access point is allowed to pass

API interface

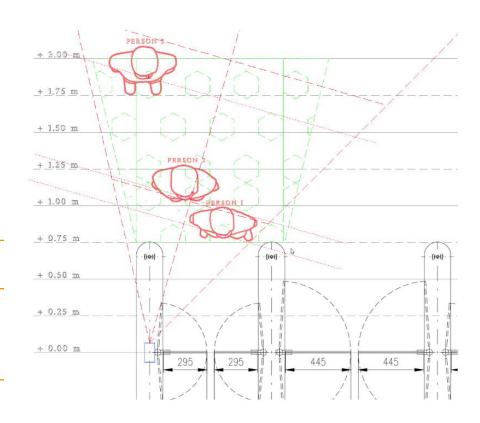
Integration with access control industry standard protocols



Access Logic & Decision Making

User's distance and order tracking

Only an authorized person closest to the access point is allowed to pass



Access Station App

Access Station App

Shows detected, identified, or unidentified people accessing the premises

Watchlists and blocklist management

Instant on-screen notifications



Feedback Display

Based on SmartFace notifications

For tablets and mobile devices



Cloud Matcher

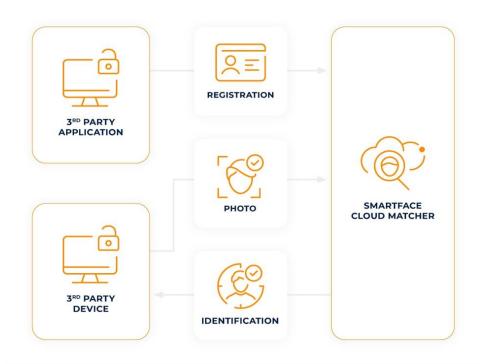
Cloud Matcher

Enables quick identification of an individual using various peripherals

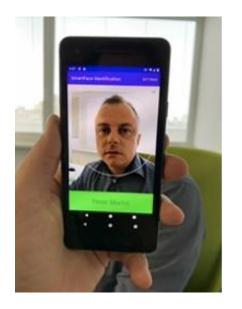
No need to process real-time video

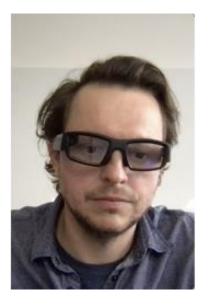
Saves hardware and network

Identify individuals anywhere



Identification on the GO







Thank you!

Contact

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